

## Leadfan 2G+32G+carplay for BMW 328i 335i 325i

# Leadfan Car Radio User Manual

## FOR BMW 3 SERIES (E90/E91/E92/E93) 2005-2011

Model: 2G+32G+carplay for BMW 328i 335i 325i

### 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Leadfan Car Radio. This unit is designed for BMW 3 Series E90, E91, E92, and E93 models manufactured between 2005 and 2011. It features a 9-inch touch screen with Wireless CarPlay, Android Auto, GPS navigation, Bluetooth 5.1, and other advanced functionalities.

Please read this manual thoroughly before installation and use to ensure proper functionality and to avoid damage to the unit or your vehicle.

### 2. Important Compatibility Notes

Before proceeding with installation, verify your vehicle's specifications:

- **Harman Kardon / Logic 7 System:** If your original car's audio interface includes a Harman Kardon optical fiber or is equipped with a Logic 7 system, or if it does not have 8 speaker wires, this specific model (B0F3D89N3C) is required.
- **iDrive System:** This radio is not compatible with vehicles that have an iDrive system and an existing LCD display.
- **A/C Panels:** The unit includes both manual and automatic A/C panels to match your vehicle's configuration.

# For BMW 3 Series 2005-2011

Support Harman Kardon fiberoptic logic 7 system sounds system



**Fit**



**Not Fit**



**Before**

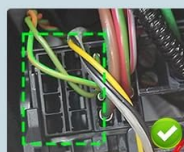


**Manual & Auto**

(Air-Conditioning Cover)



If your factory car radio plug has **8 speaker wires** like the picture on the left, the unit can be installed directly.



If your car has Harman Kardon fiber optic logic 7 system sounds system, or if your factory car plug doesn't have 8 speakers cable shown as left, please don't purchase this car radio, it can't fit with your car.

Image: Compatibility chart illustrating various BMW 3 Series dashboard types, highlighting compatibility based on existing audio systems (e.g., Harman Kardon optical fiber) and speaker wire configurations. It also shows options for manual and automatic air conditioning panels.

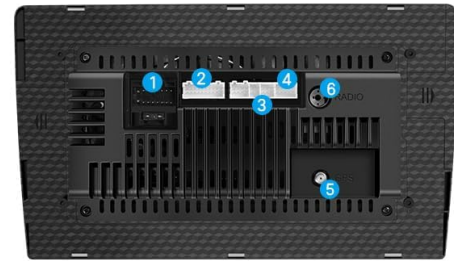
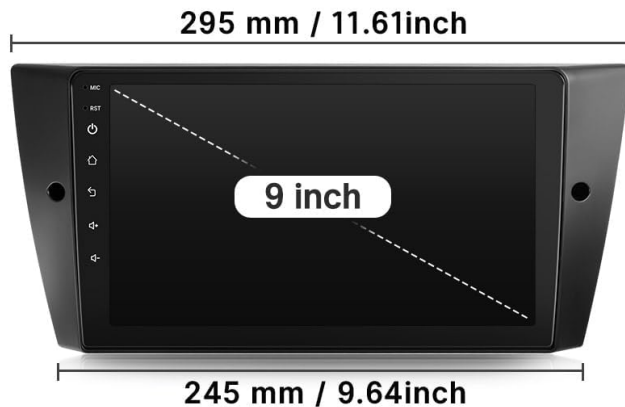
## 3. Package Contents

Verify that all items listed below are present in your package:

- 9-inch IPS Touchscreen Android Radio Headunit
- Frame for BMW 328i 335i 325i (2005-2010) with Harman Kardon Optical Fiber support
- Back-up Camera
- Reversing Camera Input Cable
- CanBus Decoder
- GPS Antenna
- WiFi & Bluetooth Signal Booster Cable
- Plug and Play Power Harness
- External Microphone
- User Manual
- USB Cables (2)
- RCA Cable

- Screw Cap (2) & Clip (2)
- Automatic Air Conditioning Bracket
- Manual Air Conditioning Bracket
- Mounting Bracket
- Fiber Optic Cable
- Fiber Optic Box

## Package List



- |              |                 |
|--------------|-----------------|
| ① Power Cord | ② RCA           |
| ③ USB        | ④ Reverse Input |
| ⑤ GPS        | ⑥ Radio Cable   |



Image: A visual representation of the main head unit with its dimensions and a detailed list of all components included in the package, such as power cords, RCA cables, USB ports, GPS antenna, and the backup camera.

## 4. Setup and Installation

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation.

### 4.1. Pre-Installation Checks

- Confirm vehicle compatibility as per Section 2.
- Identify your vehicle's A/C panel type (manual or automatic) to select the correct bracket.

### 4.2. Wiring and Connections

The system is designed for plug-and-play installation. Connect the provided power harness to the vehicle's wiring. If your vehicle has a Harman Kardon optical fiber system, connect the included fiber optic box and cable as instructed.

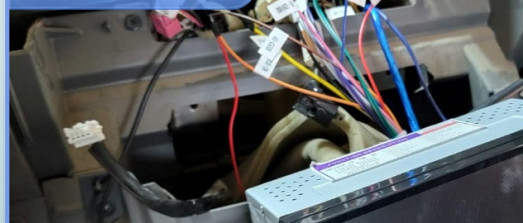
## Simpler Wiring And Installation

### Our Product



Plug and play, no need for complex wiring.

### Traditional Product



Installation is troublesome and requires complex wiring.

Image: Illustrates the simplicity of the Leadfan product's plug-and-play wiring harness compared to the more complex and numerous wires typically found in traditional aftermarket installations.

### 4.3. Backup Camera Installation

Connect the included AHD rear view camera to the 'Reverse Input' port on the head unit using the provided cable. Ensure the camera's power and signal wires are correctly connected to the vehicle's reverse light circuit for automatic activation.

## Reversing Camera

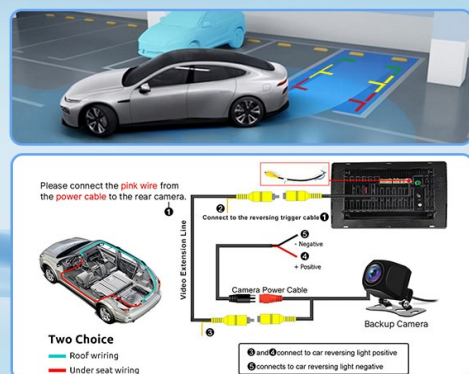


Image: A detailed diagram showing how to connect the reversing camera, including the video signal cable and the power connection to the vehicle's reverse light circuit.

### 4.4. Steering Wheel Control (SWC) Configuration

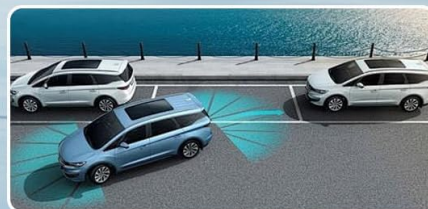
After installation, access the system settings to configure the steering wheel controls. Follow the on-screen prompts to map your vehicle's steering wheel buttons to the corresponding functions on the radio (e.g., volume, track change, call answer/end).



# Reverse Function



Reversing Camera



# Steering Wheel Control

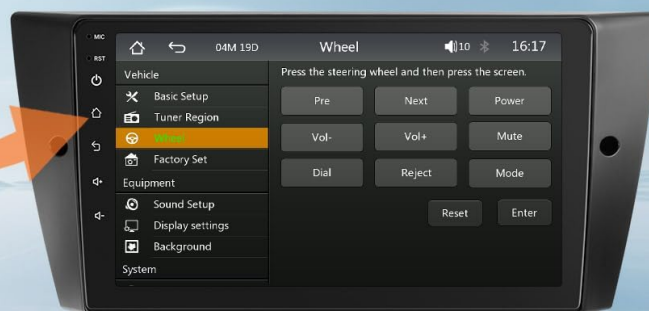


Image: The radio's interface displaying the steering wheel control setup menu, where users can assign functions to their vehicle's steering wheel buttons for convenient operation.

## 4.5. Final Installation Effect

# More perfect installation effect



Specially mold according to the car model to achieve perfect installation effect



Universal models have large gaps after installation which is not aesthetically pleasing.

Image: A comparison demonstrating the integrated appearance of the Leadfan product when installed, contrasting it with the less fitted look of generic universal models.

## 5. Operating Instructions

## 5.1. Wireless Apple CarPlay & Android Auto

Connect your smartphone wirelessly to access navigation, music, calls, and messages directly on the car radio display. This feature eliminates the need for a USB cable connection for primary functions.



Image: The radio's screen displaying the user interfaces for both Wireless Apple CarPlay and Android Auto, showing common applications and voice command prompts.

## 5.2. GPS Navigation & WiFi Connection

The unit has a built-in GPS receiver. Connect to a WiFi network or your phone's hotspot to download offline maps or use online navigation applications. This also enables access to other internet-based applications.



Image: The radio's display showing GPS navigation in use and the WiFi hotspot settings interface, along with icons for various online applications.

### 5.3. Bluetooth 5.1 (Hands-Free Calling & Music)

Pair your mobile phone via Bluetooth 5.1 for hands-free calling, address book synchronization, and wireless music playback. The unit includes a clear built-in microphone and supports an external microphone.



# BT Music/Hands-Free & Split Screen



Image: The radio's screen demonstrating Bluetooth music playback and a split-screen view, indicating support for hands-free communication.

## 5.4. Mirrorlink

Mirrorlink functionality allows you to display your phone's screen on the car radio. iOS devices support wireless connection, while Android devices support both wireless and wired connections (via USB/Hotspot).

## 5.5. FM Radio

Access FM radio stations. The unit supports a frequency range of 85MHz to 108MHz. You can scan for stations and save your preferred frequencies.

## 5.6. DSP EQ Settings

Adjust the audio output using the Digital Sound Processor (DSP) and Equalizer (EQ) settings. This allows for customization of sound profiles and subwoofer output.



# FM Radio



# DSP EQ Settings



Image: The radio's interface displaying the FM radio tuner and the detailed DSP Equalizer settings for audio adjustment.

## 5.7. Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously on the 9-inch display, such as navigation and music playback.

## 5.8. Reverse Function

When the vehicle is shifted into reverse gear, the display automatically switches to the backup camera view, providing visual assistance for parking and maneuvering.

## 6. Maintenance

To ensure the longevity and optimal performance of your car radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for available software updates through the system settings to ensure you have the latest features and performance enhancements.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for extended periods.

## 7. Troubleshooting

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

- **No Power:** Check all power connections and fuses. Ensure the vehicle's battery is charged.
- **No Sound:** Verify speaker connections. Check volume levels and DSP EQ settings. Ensure the correct audio source is selected.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky. Check for obstructions.
- **Bluetooth/WiFi Connectivity Problems:** Ensure Bluetooth/WiFi is enabled on both the radio and your device. Try re-pairing or reconnecting.
- **Screen Unresponsive:** Perform a system reset (refer to the device's reset button location, usually a small pinhole).

For persistent issues or complex problems, please contact Leadfan technical support.

## 8. Specifications

Feature	Detail
Display Size	9-inch IPS Touch Screen
Operating System	Android 11
Processor	4-Core
RAM	2GB
ROM	32GB
Connectivity	Wireless CarPlay, Wireless Android Auto, Mirrorlink, Bluetooth 5.1, 5G WiFi, GPS
Audio Features	FM Radio, DSP, EQ, Subwoofer Output
Inputs	AHD Backup Camera, 2x USB
Special Features	Steering Wheel Control (SWC), Split Screen
Package Dimensions	11.81 x 11.02 x 3.74 inches
Item Weight	2.86 pounds (1.3 Kilograms)

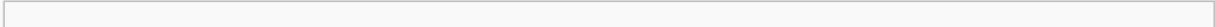


Image: A visual comparison highlighting the larger 9-inch display area of the Leadfan unit compared to a standard 7-inch car stereo display.

## 9. Warranty and Support

Leadfan provides comprehensive support for its products:

- **Lifetime Technical Support:** Contact Leadfan for any technical assistance or questions regarding your product.
- **1-Year Quality Assurance:** The product is covered by a 1-year quality assurance period.
- **30-Day Return Policy:** A 30-day return policy is available for this product.

To contact support, click on "sold by Leedfan" on the product page and then "ask a question."

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