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Leadfan 2G+32G+CarPlay for Mazda 3 (2009-2013)

Leadfan 9-Inch Car Radio Stereo User Manual for Mazda 3 (2009-2013)

Model: 2G+32G+CarPlay for Mazda 3 (2009-2013)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Leadfan 9-inch car radio stereo. This unit is designed to enhance your driving experience with advanced features such as wireless CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, and a high-definition touchscreen. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. COMPATIBILITY

This car radio stereo is specifically designed for Mazda 3 models manufactured between 2009 and 2013. It includes a CANBUS system for seamless integration with your vehicle's electronics.

Important Note:

- Before installation, verify your car's model, year, and the shape of the center console to ensure compatibility.
- This car radio is not compatible with vehicles equipped with premium sound systems such as J.B.L, SO.NY Amplifier, or B.ose Speakers.



Confirm your car's version. The image displays compatible and incompatible Mazda 3 center console designs for installation.

3. PACKAGE CONTENTS

The following items are included in your Leadfan car radio stereo package:

- 9-inch Touchscreen Head Unit

- GPS Module/Antenna
- WiFi Connection Module
- Bluetooth 5.1 Module
- FM Radio Antenna
- AHD Backup Camera
- Steering Wheel Control Interface (CANBUS)
- 2 x USB Ports
- RCA Input/Output Cables
- External Microphone Jack in RCA Cable
- Power Cable
- User Manual



Detailed view of the head unit dimensions, rear connections, and all included accessories.

4. SETUP AND INSTALLATION

The Leadfan car radio stereo is designed for a plug-and-play installation for compatible Mazda 3 models. However,

professional installation is recommended to ensure correct wiring and functionality, especially for the CANBUS and backup camera connections.

4.1 Pre-Installation Checks

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Confirm all included components are present as per the package contents list.
- Review your vehicle's existing wiring and dashboard layout.

4.2 Installation Steps (General Guide)

1. Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.
2. Connect the main power harness, RCA cables, USB cables, GPS antenna, and FM radio antenna to the new Leadfan head unit.
3. Connect the CANBUS decoder to the vehicle's wiring harness. This enables steering wheel control functionality.
4. Install the AHD backup camera (if applicable) and route its video cable to the head unit's reverse input.
5. Mount the new 9-inch head unit into the dashboard opening.
6. Reconnect the vehicle's battery and test all functions before fully reassembling the dashboard trim.



The Leadfan car radio seamlessly integrated into a compatible Mazda 3 dashboard.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Basic Navigation

- Press the power button to turn the unit on or off.
- Navigate through menus and applications using the 9-inch capacitive touchscreen.

5.2 Wireless CarPlay and Android Auto

The unit supports wireless Apple CarPlay and Android Auto for seamless smartphone integration.

1. Ensure your phone's Bluetooth and Wi-Fi are enabled.
2. On the car stereo, open the CarPlay or Android Auto application.
3. Follow the on-screen prompts to pair your smartphone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for CarPlay/Android Auto.
4. Use voice control (Siri for CarPlay, Google Assistant for Android Auto) for hands-free operation of navigation, music, calls, and messages.

Support Wireless Apple Carplay Wireless Android Auto Connect through Bluetooth & WiFi



Wireless Apple CarPlay and Android Auto interfaces with voice control.

5.3 Mirror Link

Mirror Link allows you to display your smartphone's screen on the car stereo.

- **For iOS devices:** Supports one-way wireless connection via Wi-Fi.
- **For Android devices:** Supports two-way wired (USB cable) or wireless (Wi-Fi) connection.
- Follow the instructions within the Mirror Link application on the head unit to connect your device.

9" 2.5D Touchscreen

High temperature resistant, scratch resistant



Mirror Link

Mirror Link, switch music, adjust volume, etc.

ios



WIFI Connection

Android



USB CABLE Connection

WIFI Connection



Mirror Link functionality for both iOS and Android devices.

5.4 Bluetooth Connectivity

Connect your phone via Bluetooth for hands-free calling and music streaming.

1. Go to the Bluetooth settings on the car stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the car stereo from your phone's Bluetooth list and confirm pairing.
4. Once connected, you can make/receive calls and play music directly from your phone.



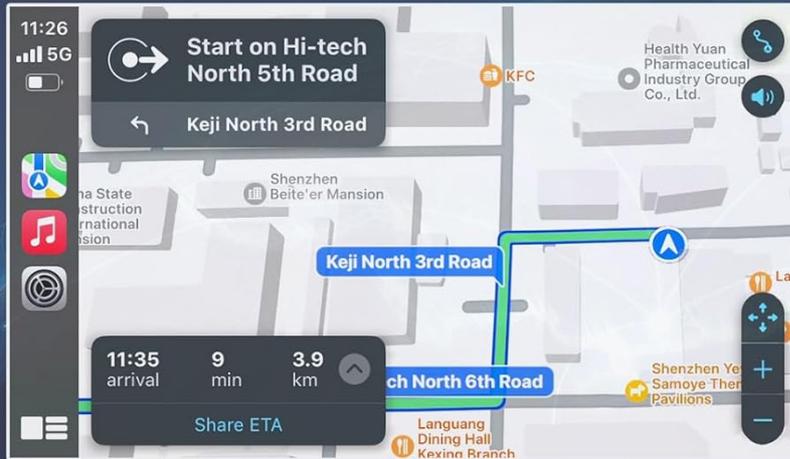
Bluetooth interface for calls and music streaming.

5.5 GPS Navigation and Wi-Fi

The unit features built-in GPS for navigation and Wi-Fi for internet access.

- **GPS:** The stereo comes with a GPS antenna and supports both online and offline map files. You can use pre-installed navigation apps or download others from the app store.
- **Wi-Fi:** Connect to the internet via your mobile hotspot or a Wi-Fi device to browse online, download apps, and use online navigation services.

Support On-line & Off-line GPS Navigation



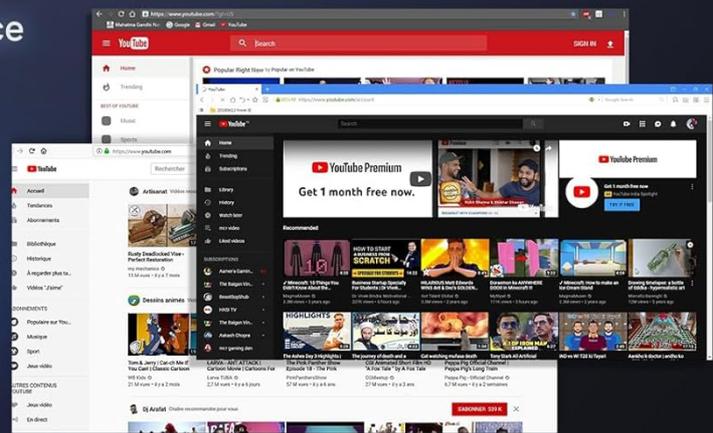
The stereo come with GPS antenna and off-line map file You also can use on-line GPS navi.



Wifi Connection

Connected the network via mobilephone hotspot or wifi device

- Online surfing
- Download APP
- On-line Navigation



GPS navigation with online/offline map support and Wi-Fi connection for internet access.

5.6 FM Radio

Access local radio stations with the built-in FM tuner.

- Open the FM Radio application.
- Scan for stations automatically or manually tune to your desired frequency.
- Save your favorite stations as presets for quick access.



FM Radio interface with tuning and preset options.

5.7 Steering Wheel Control (SWC)

After correct CANBUS setup, you can control the car stereo using your vehicle's steering wheel buttons.

- Access the SWC settings in the unit's system menu.
- Follow the on-screen instructions to map your steering wheel buttons to specific functions (e.g., volume up/down, track skip, mode change).



Steering wheel control setup interface.

5.8 EQ Audio Adjustment and UI Themes

- **EQ Audio:** The unit offers 10-band EQ audio adjustment to customize sound output to your preference. Access this feature in the audio settings.
- **UI Themes:** Choose from 38 different user interface themes to personalize the display's appearance.

5.9 AHD Backup Camera

The included AHD backup camera provides a clear view when reversing.

- When the vehicle is shifted into reverse gear, the screen will automatically display the camera feed.
- The camera features night vision for improved visibility in low-light conditions.



Backup Camera Support

Make easier for ypur parking



Powerful DSP

Enjoy the Ultimate Audio Experience



Steering Wheel

Steering wheel button control more concenient and safe



Backup camera view and physical camera unit.

5.10 Split Screen Mode

The split-screen feature allows you to run two applications simultaneously on the display.

- 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) to activate split-screen mode.
- Select a second application to run alongside the first.

Voice Control & Hands Free

Support bluetooth hands-free phone call, phone-book download & bluetooth music.



Split-Screen Mode

Now you can switch apps and run two apps on-screen side by side. So go ahead listening to music in Spotify while navigating. Or making phone calls with your browser open.



Voice control and split-screen mode in operation.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the touchscreen and exterior. Avoid abrasive cleaners or solvents that could damage the screen or finish.
- **Software Updates:** Periodically check for available software updates to ensure the system runs efficiently and has the latest features. Updates can typically be found through the system settings or the manufacturer's website.
- **Temperature:** Avoid exposing the unit to extreme temperatures. Prolonged exposure to direct sunlight or very cold conditions can affect performance and lifespan.
- **Connections:** Ensure all cables and connections remain secure. Loose connections can lead to intermittent issues.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, incompatible wiring.	Check power cables and fuse. Ensure correct wiring. Consult a professional installer if needed.
No sound output	Volume too low, incorrect audio source, loose speaker wires, incompatible premium sound system.	Increase volume. Select correct audio source. Check speaker connections. Confirm car does not have a premium sound system.
CarPlay/Android Auto not connecting	Bluetooth/Wi-Fi off on phone, incorrect pairing, phone software issue.	Ensure phone's Bluetooth/Wi-Fi is on. Re-pair the device. Restart phone and head unit.
GPS signal lost or inaccurate	GPS antenna obstruction, loose antenna connection, outdated maps.	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Update map data if necessary.
Backup camera not displaying	Loose video cable, incorrect wiring to reverse trigger, faulty camera.	Check camera video cable connection. Verify reverse trigger wire is correctly connected. Test camera functionality.
Bluetooth/Internet connection unstable	Interference, weak signal, device compatibility.	Move away from sources of interference. Ensure strong Wi-Fi/hotspot signal. Re-pair Bluetooth device.

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

8. SPECIFICATIONS

- **Display Size:** 9 Inches
- **Resolution:** 1080*600 (IPS Touchscreen)
- **Operating System:** Android 12
- **RAM:** 2GB
- **ROM:** 32GB
- **Processor:** 4-Core CPU
- **Connectivity:** Bluetooth 5.1, Wi-Fi
- **GPS:** Built-in, supports online and offline maps (North America map type)
- **Special Features:** Wireless CarPlay, Android Auto, Mirror Link, FM Radio, AHD Backup Camera (waterproof, night vision), Steering Wheel Control, Split Screen, 10-band EQ Audio Adjustment, Multiple UI Themes, Dual USB ports, RCA Input/Output, External Microphone Jack.
- **Item Weight:** 3.1 pounds
- **Product Dimensions:** 10.9 x 3.8 x 13.5 inches
- **Mounting Type:** Dashboard Mount



Internal specifications including processor, RAM, and ROM.

9. WARRANTY AND SUPPORT

Leadfan provides comprehensive support for your car radio stereo:

- **Warranty:** 12 months after-sales support and replacement available within 12 months.
- **Money Back Guarantee:** 30 days money back service.
- **Technical Support:** 24-hour after-sales technical support to assist with installation and operation problems.

How to Contact Support:

For installation or technical assistance, please follow these steps:

1. Go to the product page on Amazon.
2. Click on the 'Leadfan' store link.
3. Click the 'Ask a question' button.
4. Provide details of your installation or operation questions, including pictures or videos if helpful.

The Leadfan support team aims to respond within 24 hours.



Steps to contact Leadfan customer support for assistance.