Geloo RM-BM3005W

Geloo Wireless CarPlay Android Auto Retrofit Kit Decoder Box User Manual

Model: RM-BM3005W

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Geloo Wireless CarPlay Android Auto Retrofit Kit Decoder Box. This device integrates Apple CarPlay and Android Auto functionalities into your BMW's original NBT system, enhancing your driving experience with modern connectivity features while retaining the factory interface.

Image 1.1: The Geloo Wireless CarPlay Android Auto Retrofit Kit Decoder Box shown with a BMW iDrive screen displaying the CarPlay interface. This image illustrates the main unit and its integration with the vehicle's display.

2. COMPATIBILITY

This retrofit kit is designed for specific BMW models equipped with the **NBT system** and a **6-pin LVDS port** on the factory screen. It is **not compatible** with CIC or EVO systems.

2.1. Compatible BMW Models and Years:

- BMW 1 Series (F20/F21): 2013-2015
- BMW 2 Series (F22): 2013-2015
- BMW 3 Series (F30/F31/F34/F80): 2012-2015
- BMW 4 Series (F32/F33/F36): 2013-2015
- BMW 5 Series (F07/F10/F11/F18): 2012-2015
- BMW 6 Series (F06/F12/F13): 2013-2016
- BMW 7 Series (F01/F02/F03): 2012-2014
- BMW X3 (F25): 2013-2016
- BMW X4 (F26): 2014-2016
- BMW X5 (F15/F85): 2014-2016

- BMW X6 (F16/F86): 2014-2016
- BMW MINI (F56): 2014-2016

Important Note:

Before purchasing, verify your car's system is NBT and the LVDS port of your factory screen is 6 pins. If your original radio system displays a CIC System Interface but has a 6-pin LVDS port, this adapter is still compatible. If unsure, please contact support with a picture of your car's system interface.

Image 2.1: Visual guide for identifying your BMW's system (NBT, CIC, EVO) by checking the LVDS port (6-pin vs. 4-pin) and the on-screen interface. This is crucial for ensuring compatibility before installation.

3. WHAT'S IN THE BOX

Your Geloo Wireless CarPlay Android Auto Retrofit Kit Decoder Box package includes the following components:

- Wireless CarPlay Android Auto Retrofit Kit Decoder Box (Main Unit)
- Power Cable
- RCA/USB Cable

- External Microphone
- LVDS Cable (1 piece)
- WiFi Antenna

Image 3.1: An overview of the components included in the Geloo Retrofit Kit. This image shows the main decoder box, various cables, and accessories required for installation.

4. SETUP AND INSTALLATION

Installation of this retrofit kit is designed to be non-destructive, utilizing original car wire plug-and-play connections. No wire cutting or breaking is required. It is recommended to watch YouTube videos for similar unit installations for visual guidance.

4.1. Pre-Installation Notes:

- Power off the vehicle completely before beginning installation.
- Ensure all functions are confirmed to be working correctly after installation before reassembling the dashboard.
- Tools required typically include a trim removal kit and a T20 Torx screwdriver.
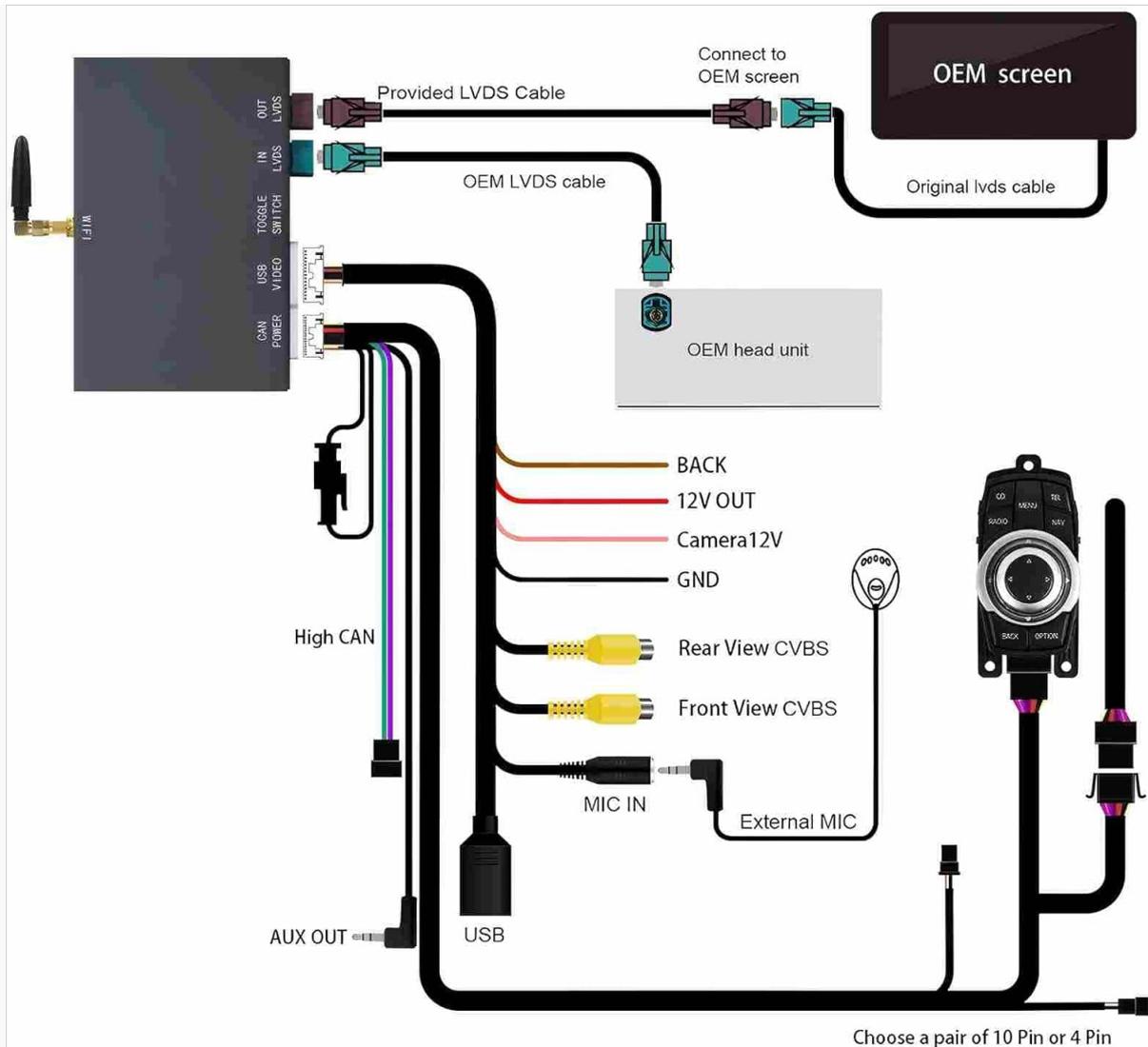
4.2. Wiring Diagram:

Image 4.1: A comprehensive wiring diagram illustrating how to connect the retrofit kit to your BMW's OEM screen, head unit, power, microphone, and various camera inputs. Follow this diagram carefully for correct connections.

4.3. Step-by-Step Installation Guide:

1. Remove the trim panel of the air conditioning outlet.
2. Remove the air outlet of the air conditioner.
3. Remove the air conditioning board and the lower cover panel.
4. Remove the head unit.
5. Unplug the original car power cord.
6. Unplug the LVDS cable and remove the original car screen.
7. Plug the LVDS cable from the OEM screen into the new unit's LVDS IN port.
8. Plug the straight end of the new LVDS cable into the new unit's LVDS OUT port.
9. Insert the curved end of the new LVDS cable into the OEM screen.
10. Plug in the power cable.
11. Plug in the WiFi antenna and position it away from metal components for optimal signal.
12. Plug in the AV/USB cable.
13. Set the DIP code (refer to specific vehicle settings if applicable), check connections, and power on to test.
14. Install the head unit back into its position.
15. Fix the air conditioner control panel.

16. Fix the lower cover panel.
17. Complete the installation.

Image 4.2: A visual step-by-step guide demonstrating the installation process of the retrofit kit within the BMW dashboard. Each panel shows a distinct action, from removing trim to connecting cables and reassembling.

5. OPERATING INSTRUCTIONS

The Geloo Retrofit Kit provides seamless integration with your car's original controls, offering a rich set of features.

5.1. Wireless/Wired CarPlay & Android Auto:

Enjoy wireless or wired connectivity for Apple CarPlay and Android Auto, depending on your smartphone's capabilities. This allows access to navigation, music, calls, and messaging directly on your car's screen.

Image 5.1: The car's display showing both Apple CarPlay and Android Auto interfaces, highlighting the wireless connectivity. The image also demonstrates the Mirror Link function, mirroring a smartphone screen onto the car's display.

5.2. Voice Control (Siri/Google Assistant):

Utilize voice commands for hands-free operation. The system supports Siri for Apple devices and Google Assistant for Android devices, allowing you to control music, navigation, calls, and more without taking your hands off the wheel.

5.3. Mirror Link & USB Play:

The Mirror Link function allows you to synchronize your smartphone's screen to your car's display, enabling access to apps like Netflix, YouTube, and other content. Additionally, the USB port supports media playback from a USB drive.

5.4. Camera Functionality:

The kit supports your original reversing camera and parking radar. It also allows for the integration of aftermarket reversing cameras, 360-degree cameras, and front camera DVRs (CVBS input). The camera view activates automatically when reversing.

5.5. Original Car Functionality:

All original functions of your BMW's console are retained. The CarPlay system supports control via the original buttons, steering wheel controls (Siri button, telephone button, voice +/- buttons), and the iDrive knob. Touch screen control is also supported if your vehicle has a compatible touch screen.

Image 5.2: Demonstrates various control methods for the system, including voice commands (Siri/Google Assistant), touch screen interaction, steering wheel buttons, and the OEM iDrive knob. It also shows the integration of camera functions.

6. MAINTENANCE

To ensure optimal performance and longevity of your Geloo Retrofit Kit, follow these general maintenance guidelines:

- **Keep the unit dry:** Avoid exposing the decoder box to moisture or liquids.
- **Clean gently:** Use a soft, dry cloth to clean the unit. Do not use harsh chemicals or abrasive cleaners.
- **Regular software updates:** Check the manufacturer's website or contact support for any available firmware updates to improve performance and compatibility.
- **Avoid extreme temperatures:** Do not expose the unit to extreme heat or cold, as this can affect its

electronic components.

7. Troubleshooting

If you encounter issues with your Geloo Retrofit Kit, please refer to the following common problems and solutions:

- **"No Signal" Message:**

  - Ensure all LVDS cable connections are secure and correctly seated.
  - Verify the DIP switch settings on the decoder box match your vehicle's configuration.
  - Confirm the original car screen is properly connected to the kit's output.

- **Microphone Not Working or Intermittent:**

  - Check the connection of the external microphone to the decoder box.
  - Ensure the microphone is positioned correctly and not obstructed.
  - Some users have reported issues; if the problem persists after checking connections, contact technical support.

- **Lag or Slow Switching Between Systems:**

  - Ensure your smartphone's operating system is up to date.
  - Check for any available firmware updates for the retrofit kit.
  - A stable WiFi connection (2.4G or 5.8G) is crucial for wireless performance. Ensure the WiFi antenna is properly installed and not near metal.

- **CarPlay/Android Auto Not Connecting Wirelessly:**

  - Verify Bluetooth is enabled on your phone and paired with the kit.
  - Ensure your phone's WiFi is on and connected to the kit's WiFi hotspot.
  - Try restarting both your phone and the car's infotainment system.

If these steps do not resolve the issue, please refer to the Support section for further assistance.

8. Specifications

Feature	Specification
Model Number	RM-BM3005W
Product Dimensions	6.89 x 4.49 x 8.9 inches
Item Weight	2.05 pounds
Connectivity Technology	Bluetooth (BT), USB, Wi-Fi
Special Features	Built-in 2.4G and 5.8G WIFI, Built-In BT 5.0 Technology

Color	Black

Image 8.1: A visual representation of the dual-band WiFi (2.4GHz and 5GHz) and Bluetooth 5.0 technology integrated into the device, highlighting enhanced anti-interference capabilities for a stable connection.

9. WARRANTY

Please refer to your purchase documentation or contact the seller for specific warranty information regarding your Geloo Wireless CarPlay Android Auto Retrofit Kit Decoder Box. Standard warranties typically cover manufacturing defects for a specified period from the date of purchase.

10. SUPPORT

For any compatibility concerns, installation assistance, or operational issues, please contact Geloo customer support. Our technical team is available to provide online guidance and solutions.
You can reach us via Amazon Messages or through the contact information provided with your product

packaging. We are committed to continuously enhancing product quality and user experience, and your feedback is valuable.

Related Documents - RM-BM3005W

	[GELOO WP2 Mini Smart Socket: Setup, Usage, and Alexa Integration Guide](#) Comprehensive guide for the GELOO WP2 Mini Smart Socket, covering installation via the Smart Life app, features like timers and scenes, and integration with Amazon Alexa. Includes technical specifications and warranty information.
	[RM-KPL034&35 User Manual: Wireless CarPlay & Android Auto Adapter](#) Comprehensive user manual for the RM-KPL034&35 Carplay Box, detailing its functions for wireless CarPlay, Android Auto, video playback (YouTube, Netflix), system setup, and troubleshooting.
	[ANYFAR Wireless CarPlay & Android Auto Interface User Manual for Audi MIB/MMI 3G+](#) Comprehensive user manual for the ANYFAR Wireless CarPlay and Android Auto interface kit designed for Audi MIB/MMI 3G+ systems. Covers installation, setup, connection methods for Apple CarPlay, Android Auto, and screen mirroring, audio settings, reversing camera configuration, and steering wheel controls for various Audi models.
	[RM-BZ2517F User Manual: Intelligent Car Information System with CarPlay & Android Auto](#) User manual for the RM-BZ2517F Intelligent Car Information System, detailing features like Apple CarPlay, Android Auto, installation, settings, and troubleshooting for Mercedes Benz vehicles.
	[RM-VLV2510F User Manual: ANYFAR Intelligent Car Information System with CarPlay & Android Auto](#) User manual for the RM-VLV2510F, an intelligent car information system by ANYFAR that adds wireless Apple CarPlay and Android Auto functionality to compatible Volvo vehicles. Includes installation, setup, specifications, and troubleshooting.
	[ANYFAR RM-AR2749F User Manual: Intelligent Car Information System for Alfa Romeo](#) Comprehensive user manual for the ANYFAR RM-AR2749F intelligent car information system, featuring Apple CarPlay and Android Auto for Alfa Romeo Giulia and Stelvio (2017-2020). Includes installation, settings, specifications, and troubleshooting.