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> ZTUZAUTO Wireless CarPlay Retrofit Kit Decoder for Mercedes Benz NTG5.0 S Class W222 (2014-2017) User Manual

ZTUZAUTO NTG5.0 S Class W222

ZTUZAUTO Wireless CarPlay Retrofit Kit Decoder

FOR MERCEDES BENZ NTG5.0 S CLASS W222 (2014-2017)

User Manual

1. Product Overview

The ZTUZAUTO Wireless CarPlay Retrofit Kit Decoder enhances your Mercedes Benz NTG5.0 S Class W222 (2014-2017) with modern connectivity features. This decoder integrates Wireless Apple CarPlay, Wireless Android Auto, and Mirrorlink functionalities directly into your vehicle's existing display, allowing seamless access to navigation, music, communication, and other applications. It also supports the use of a reverse camera.

2. Compatibility

This kit is specifically designed for Mercedes Benz S-Class W222 vehicles manufactured between 2014 and 2017, equipped with the NTG5.0 system and a 12.3-inch screen.

Wireless Carplay & Android Auto & Mirror Link



 Wireless/wired
Apple Carplay



 Wireless/wired
Android Auto



 Wireless
Mirror Link



Figure 2.1: Compatible Model List for Mercedes Benz S-Class W222 (2014-2017) with NTG5.0 system and 12.3-inch screen.

3. Key Features

- **Wireless CarPlay & Android Auto:** Enjoy a fully wireless connection to Apple CarPlay and Android Auto, providing access to your smartphone's essential features directly on your car's display.



Figure 3.1: Wireless CarPlay and Android Auto overview.

- **Mirrorlink Functionality:** Project your smartphone screen onto the car's display for a wider range of content viewing.
- **Enhanced Connectivity:** Utilizes Wi-Fi and Bluetooth for stable and reliable connections.



Figure 3.2: Wireless connection via Wi-Fi and Bluetooth.

- **Diverse App Support:** Access navigation, music streaming, messaging, phone calls, and other applications

compatible with CarPlay and Android Auto.



Figure 3.3: Supported applications.

- **Intelligent Voice Control:** Leverage voice assistants like Siri or Google Assistant for hands-free operation, enhancing safety and convenience.



Figure 3.4: Intelligent voice system.

- **Preserves Original Car Functions:** The retrofit kit integrates seamlessly, ensuring that all original vehicle controls, such as steering wheel buttons, command knob, and voice awaking, remain fully functional.



Figure 3.5: Original car functions retained.

4. Setup and Installation

The ZTUZAUTO Wireless CarPlay Retrofit Kit is designed for a "Plug and Play" installation, aiming to avoid cutting or breaking original car wires.

1. **Preparation:** Before installation, ensure your car's model and year are compatible with this kit. Refer to the included installation manual for a detailed wiring diagram and specific codes matching your vehicle.
2. **Wiring:** Connect the module using the provided power cable, LVDS cable, and WiFi antenna. The installation process typically involves connecting to existing ports behind the car's display unit.



Figure 4.1: Plug and Play installation overview.

3. **Post-Installation Check:** After connecting all components, test every function of the module before restoring the dashboard panels. This ensures proper operation and avoids the need for re-disassembly.

5. Operating Instructions

5.1 Switching Between Systems

To switch to the CarPlay/Android Auto interface, press and hold the designated button (often a "MENU" button on the original car controls) for approximately 2 seconds. This allows you to toggle between the original car system and the retrofit system.

Switch Systems Freely



Figure 5.1: Switching between car systems.

5.2 Wireless CarPlay Connection Steps

1. Go to your iPhone's Bluetooth settings.
2. Pair with the device named "ZTUZAUTO Box_###".
3. Confirm the pairing request on your iPhone.
4. Once connected via Bluetooth, CarPlay will automatically initiate.
5. Ensure Wi-Fi is also enabled on your iPhone for full CarPlay functionality.

Video 5.1: Demonstration of wireless CarPlay connection steps using an iPhone.

5.3 Wireless Android Auto Connection Steps


1. Go to your Android phone's Bluetooth settings.
2. Pair with the device named "ZTUZAUTO Box_###".

3. Confirm the pairing request on your Android phone.
4. Once connected via Bluetooth, Android Auto will automatically initiate.


5.4 Audio Output Settings


- **Via AUX:** If using AUX for audio, navigate to your car's settings: **Settings** → **Factory Mode** → **Phone Link setting** → Turn off the "Disable phone link audio" option → **Reboot**. Then, enter the **Multimedia** interface, click **External devices**, and select **AUX front**.
- **Via Bluetooth:** To enable sound via Bluetooth, adjust your car's settings: **Settings** → **Factory Mode** → **Phone Link setting** → Open the option "Disable phone link audio" → **Reboot**. Pair your smartphone with the original vehicle's Bluetooth and select the original car Bluetooth for both phone and music sound sources in the original car media settings.

01 If via Aux , you need to set "AUX front" , the carplay will have sound



AUX






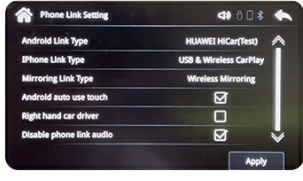
A. Access the Settings interface → Factory Mode → Phone Link setting → Turn off the "Disable phone link audio" option. → Reboot


B. Enter into the "Multimedia" interface , click "External devices" , click the "AUX front"

02 You only need to adjust the settings to make the sound function via bluetooth



Bluetooth





A. Access the Settings interface → Factory Mode → Phone Link setting → Open the option "Disable phone link audio". → Reboot

B. Then pair your smartphone with the original vehicle's Bluetooth.

C. Select the original car Bluetooth for both the phone and music sound sources in the original car media settings.

Figure 5.2: Audio output settings via AUX and Bluetooth.

6. Package Contents

The ZTUZAUTO Wireless CarPlay Retrofit Kit includes the following components:

- ZTUZAUTO Decoder Module (Approximate Dimensions: 3.34 x 5.59 x 0.94 inches / 8.5 x 14.2 x 2.4 cm)
- Power Cable
- WiFi Antenna
- LVDS Cable
- Installation Tool
- Installation Manual



Figure 6.1: Package contents and module dimensions.

7. Precautions

- Before placing an order, please ensure your car's model and year are compatible with this product.
- Before installation, refer to the provided manual to locate the wiring diagram and dial code that match the model of your car.
- After installation, confirm that all functions of the module can be used normally before restoring the dashboard to avoid inconvenience caused by disassembly again.

8. Specifications

Feature	Detail
Brand	ZTUZAUTO
Compatible Devices	Mercedes Benz NTG5.0 S Class W222 (2014-2017)
Connector Type	HDMI (for display output), various car-specific connectors
Color	Blue (module casing)
Item Dimensions (L x W x H)	3.34 x 5.59 x 0.94 inches (approx. 8.5 x 14.2 x 2.4 cm)
Item Weight	1.05 Kilograms
Package Quantity	1
Unit Count	1.0 Count
Number of Items	1

9. Troubleshooting

- **No Display/Black Screen:**
 - Ensure all cables, especially the LVDS cable, are securely connected.
 - Verify the power connection to the module.

- Confirm the car's display input is switched to the correct source (usually by long-pressing a button).

- **No Sound:**

- Check the audio output settings in your car's multimedia system (AUX or Bluetooth configuration as described in "Operating Instructions").
- Ensure your phone's volume is up and not muted.
- Verify Bluetooth connection for audio.

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

- Ensure Bluetooth is paired and Wi-Fi is enabled on your smartphone.
- Restart both your smartphone and the car's infotainment system.
- Check for any software updates for your phone or the retrofit kit (if applicable).

- **Intermittent Connection:**

- Ensure there are no other strong Wi-Fi or Bluetooth interference sources nearby.
- Check for loose cable connections.
- Try resetting the module (if a reset button is available, or by disconnecting power briefly).

10. Warranty and Support

This product comes with a 12-month quality warranty. If you encounter any issues during this period, please contact ZTUZAUTO customer support. The warranty covers all products.

It is important to note that this installation does not damage your original car wires and does not affect your factory car warranty. If you are not confident in performing the installation yourself, it is recommended to seek assistance from a specialist. For any technical issues, please contact ZTUZAUTO directly, as they possess specialized knowledge beyond typical auto repair shops for this product. Always test all functions before fully reassembling the car's panels.