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ninetom NTG5.0 C GLC CLA GLA Class W205

NINETOM Wireless Carplay Retrofit Kit Decoder User Manual

Model: NTG5.0 C GLC CLA GLA Class W205 (2015-2018) | Brand: ninetom

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your NINETOM Wireless Carplay Retrofit Kit Decoder. This device enhances your driving experience by integrating modern smartphone functionalities like Apple CarPlay and Android Auto into your Mercedes Benz vehicle's original infotainment system.

1.1. Compatibility

Our Wireless Carplay kit is compatible with left-hand and right-hand drive Mercedes Benz C Class W205 and GLC Class X253 from 2015 to 2018, including models with NTG5.0, NTG5.1, and NTG5.2 systems. This includes various models such as C180, C200, C250, C300, C350E, C43 AMG, C45 AMG, C63 AMG, C63 AMG S, GLC250, GLC300, GLC350e, GLC43 AMG, and GLC63 AMG.

Compatible Model List

SYSTEM	CLASS	MODEL	YEAR
NTG 5.0/5.1/5.2	C	C180 C200 C250 C300 C350E C43 AMG C45 AMG C63 AMG C63 AMG	2015-2018
NTG 5.0/5.1/5.2	GLC	GLC250 GLC300 GLC350e GLC43 AMG GLC63 AMG	2015-2018
NTG 5.0/5.1/5.2	CLA	CLA200 CLA250 CLA 45 AMG	2015-2018
NTG 5.0/5.1/5.2	GLA	GLA200 GLA250 GLA45 AMG	2015-2018





Compatible With Mercedes Benz NTG5.0/5.1/5.2 System Mercedes Benz C GLC CLA GLA Vehicle

Image: Table showing compatible Mercedes Benz models and NTG system versions.



Image: Visual guide indicating compatibility only with NTG 5.0/5.1/5.2 systems, and not with NTG 4.0/4.5/4.7.

2. Safety Information

Please read all instructions carefully before installation and use. Improper installation can damage your vehicle or the product. Always prioritize safety during installation and operation.

- It is highly recommended to seek assistance from a professional if you lack confidence in performing the installation yourself.
- Do not finalize the installation until you have thoroughly tested every function on your vehicle and ensured they work correctly.
- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work.
- This product is designed not to damage your original car wiring and will not affect your factory car warranty.

3. Package Contents

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



Image: Visual representation of all components included in the product package.

- NINETOM Wireless Carplay Retrofit Kit Decoder Unit
- Power Cable Harness
- LVDS Cable
- USB-AV Cable / USB Audio Cable
- Wi-Fi Antenna
- Instruction Manual (this document)
- Packing Box

4. Setup and Installation

Installation of this retrofit kit involves connecting the decoder unit to your vehicle's existing infotainment system. While the process is designed to be non-destructive to original wiring, professional installation is recommended for optimal results

and to avoid potential issues.

4.1. Pre-Installation Checks

- Confirm your vehicle's compatibility with the NTG system versions mentioned in Section 1.1.
- Gather necessary tools (e.g., trim removal tools, screwdrivers, wiring harness tools).
- Disconnect the car battery before starting the installation.

4.2. Installation Steps (General Overview)

Detailed step-by-step installation instructions, including specific wiring diagrams and trim removal procedures, are typically provided in a separate installation guide or video. Please refer to those resources for precise instructions tailored to your vehicle model.

1. Carefully remove the necessary trim panels and the original head unit from your dashboard.
2. Connect the provided wiring harness between the original head unit and the vehicle's wiring.
3. Connect the LVDS cable to the original screen and the decoder unit.
4. Connect the Wi-Fi antenna and any other auxiliary cables (USB, AV) to the decoder unit.
5. Securely mount the decoder unit in a suitable location behind the dashboard.
6. Reconnect the car battery and perform initial function tests before reassembling the dashboard.

Important: Ensure all connections are secure and tested before fully reassembling your vehicle's interior. If you encounter any issues, refer to the Troubleshooting section or contact support.

5. Operating Instructions

Once installed, the NINETOM Wireless Carplay Retrofit Kit allows seamless integration of your smartphone's features with your car's display and controls.

5.1. Switching Between Systems

You can switch between the original NTG system and the Carplay/Android Auto system using your car's original knob control. This provides convenient access to both interfaces while driving.

5.2. Wireless/Wired CarPlay & Android Auto

The unit supports both wireless and wired connections, depending on your phone type. Once connected, you can access various functions:

- **Siri/Google Assistant:** Use voice commands for navigation, music, calls, and messages.
- **Maps:** Utilize navigation apps like Apple Maps, Google Maps, Waze, and Sygic.
- **Music:** Play your favorite songs from iTunes, Apple Music, Spotify, or other streaming apps.
- **Phone Calls:** Make and receive calls hands-free.
- **Messages:** Send and receive messages via voice or on-screen prompts.



Image: Illustration of voice assistant commands for navigation, music, and phone calls.

5.3. Steering Wheel Buttons and Car Knob Control

The system integrates with your original car controls for a familiar user experience:

- **Steering Wheel Buttons:** Supports the Siri button, telephone button, and volume (+/-) buttons on the steering wheel. Other steering wheel buttons may not be supported.
- **Car Knob Control:** Use the original car knob to navigate and select options within the Carplay/Android Auto interface.



Image: Depiction of how the system integrates with the original steering wheel controls and central knob for navigation and volume.

5.4. Mirror Link Function

The Mirror Link function allows you to mirror your smartphone's screen directly onto your car's display. It supports Airplay for iPhone and AutoLink for Android devices. This feature is useful for displaying content such as GPS navigation, YouTube videos, TV news, and other HD videos.



Image: A smartphone screen being mirrored onto the car's display, demonstrating the Mirror Link feature.

5.5. Camera Support

The retrofit kit supports various camera inputs:

- **Original Reversing Camera:** Integrates with your car's factory-installed reverse camera and parking radar.
- **Aftermarket Cameras:** Supports aftermarket reversing cameras and 360-degree camera systems.
- **Front View Camera/DVR:** Supports front view camera DVR with CVBS input.

When the vehicle is put into reverse, the camera view will automatically display on the screen.



Image: Displays various original car settings supported, including the reverse camera view on the screen.

6. Troubleshooting

If you encounter any issues with your NINETOM Wireless Carplay Retrofit Kit, please refer to the common problems and solutions below. For persistent issues, do not hesitate to contact our support team.

Problem	Possible Cause	Solution
No display after installation	Loose cable connections, incorrect LVDS connection, power issue.	Check all power and LVDS cable connections. Ensure the original screen is properly reconnected. Verify power supply to the decoder unit.
No sound or poor sound quality	Audio AUX connection not made or incorrect, volume settings.	Ensure the AUX input is correctly selected on your car's original system. Check the audio ground wire connection. Adjust volume settings on both the car and the Carplay system.
Wireless CarPlay/Android Auto not connecting	Bluetooth/Wi-Fi interference, incorrect pairing, phone settings.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Forget previous connections and re-pair. Restart both the phone and the car's infotainment system. Check Wi-Fi antenna connection.
Steering wheel controls not fully functional	Limited compatibility, incorrect wiring.	Only Siri, telephone, and volume +/- buttons are supported. Ensure all wiring harness connections are correct.

Problem	Possible Cause	Solution
Echo during phone calls	Microphone interference, audio routing issue.	Ensure the microphone is properly installed and positioned away from speakers. Check audio settings within the Carplay system. If persistent, use the car's original Bluetooth for calls.

If these solutions do not resolve your issue, please contact NINETOM customer support for further assistance. We are more knowledgeable than a typical auto repair shop regarding our product.

7. Specifications

Feature	Detail
Product Dimensions	8.54 x 6.02 x 3.86 inches
Item Weight	2.25 pounds
Connectivity Technology	Bluetooth, USB
Controller Type	Android (compatible with iOS via CarPlay)
Special Feature	RDS (Radio Data System)
Compatible Devices	Smartphone, Speaker
Audio Output Mode	Surround
Surround Sound Channel Configuration	5.1
Video Encoding	H.264 or H.265
Number of Channels	6
Manufacturer	ninetom
Country of Origin	China

8. Warranty and Support

Your NINETOM Wireless Carplay Retrofit Kit Decoder comes with a 1-year warranty from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

8.1. Warranty Coverage

- 1-Year Limited Warranty.
- Does not affect your factory car warranty.

8.2. Customer Support

For any questions, technical assistance, or warranty claims, please feel free to reach out to our customer support team. We are committed to providing comprehensive support and are equipped with in-depth knowledge of our products to assist you effectively.

Contact information can typically be found on the product packaging, our official website, or through your purchase platform.

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