Road Top 10.25 Inch Car Touchscreen

Road Top 10.25-inch Linux Car Multimedia Screen User Manual

For Mercedes-Benz C/GLC/V Class (W205, W447) 2015-2018 with NTG5.0

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Road Top 10.25-inch Linux Car Multimedia Screen. This system is designed to enhance your driving experience by integrating modern connectivity features while preserving the original functionalities of your Mercedes-Benz vehicle.
The Road Top multimedia screen replaces your original car display, offering a 1920x720 HD resolution touchscreen. It operates on a Linux system and adds wireless CarPlay, wireless Android Auto, and wireless Mirrorlink capabilities.



Image 1.1: The Road Top 10.25-inch multimedia screen installed, showing the Apple CarPlay interface.

2. Vehicle Compatibility

This Road Top multimedia screen is specifically designed for the following Mercedes-Benz models and years with NTG5.0/5.1/5.2 systems:

- Mercedes-Benz C Class (W205) 2015-2018
- Mercedes-Benz GLC Class 2015-2018
- Mercedes-Benz V Class (W447) 2015-2018

Examples include C180, C200, C250, C300, C350E, C43 AMG, C45 AMG, C63 AMG, C63 AMG S, GLC250, GLC300, GLC350e, GLC43 AMG, GLC63 AMG.

Important: This unit is NOT compatible with NTG4.0, NTG4.5, or NTG4.7 systems. Please verify your vehicle's original car system before proceeding with installation.



Image 2.1: Visual guide for identifying compatible and incompatible NTG systems based on dashboard appearance.

3. Product Features

The Road Top 10.25-inch multimedia screen offers a range of features designed to enhance your in-car experience:

- **Wireless CarPlay:** Seamless integration with Apple iPhones for navigation, music, messages, and calls.
- **Wireless Android Auto:** Connect Android smartphones for access to Google Maps, music, and voice commands.
- **Wireless Mirrorlink:** Display your iOS or Android phone screen directly on the car's display.
- **Bluetooth Connectivity:** For hands-free calling and audio streaming.
- **EQ Adjustable Audio:** Customize sound settings for optimal audio quality.
- **High-Resolution Display:** 1920 x 720 HD touchscreen for clear visuals.
- **Day and Night Mode:** Automatic light sensitivity adjusts display brightness based on your car's headlights.
- **Retains OEM Functions:** Preserves original car radio, amplifier, joystick control, and reversing camera functionality.
- **Support for Original and Aftermarket Cameras:** Compatible with factory reverse cameras, parking radar, and aftermarket reverse cameras. Supports front view camera DVR (CVBS input).



Image 3.1: Overview of the main functions and features of the multimedia screen.

4. Setup and Installation

Installation of the Road Top multimedia screen requires accessing the car dashboard to connect the necessary wires. It is recommended to consult a professional if you are unsure about any steps.

4.1. Package Contents

Before beginning, ensure all components are present:

- Road Top 10.25-inch Car Screen
- Power Cable
- LVDS / USB Cable
- Mounting Bracket



Image 4.1: Product components including the screen, power cable, LVDS/USB cable, and mounting bracket.

4.2. General Installation Notes

1. Carefully remove the original car screen and dashboard trim to access wiring.
2. Connect the provided power cable, LVDS/USB cable, and any other necessary connections according to the wiring diagram (not provided in this manual, refer to product-specific guides or professional assistance).
3. **Crucial Step:** Before fully reassembling the dashboard, test all functions of the new screen and ensure proper operation. Many issues arise from incorrect cable connections or settings.
4. Once all functions are verified, secure the new screen with the mounting bracket and reassemble the dashboard components.



Image 4.2: Visual comparison of the dashboard before and after installing the Road Top screen.

5. Operating Instructions

5.1. System Switching

The Road Top screen allows you to seamlessly switch between the new Linux system interface and your car's original OEM system. To access the original system, select the "OEM Car Info" icon on the Linux homescreen. You can return to the Linux system by touching any part of the screen.

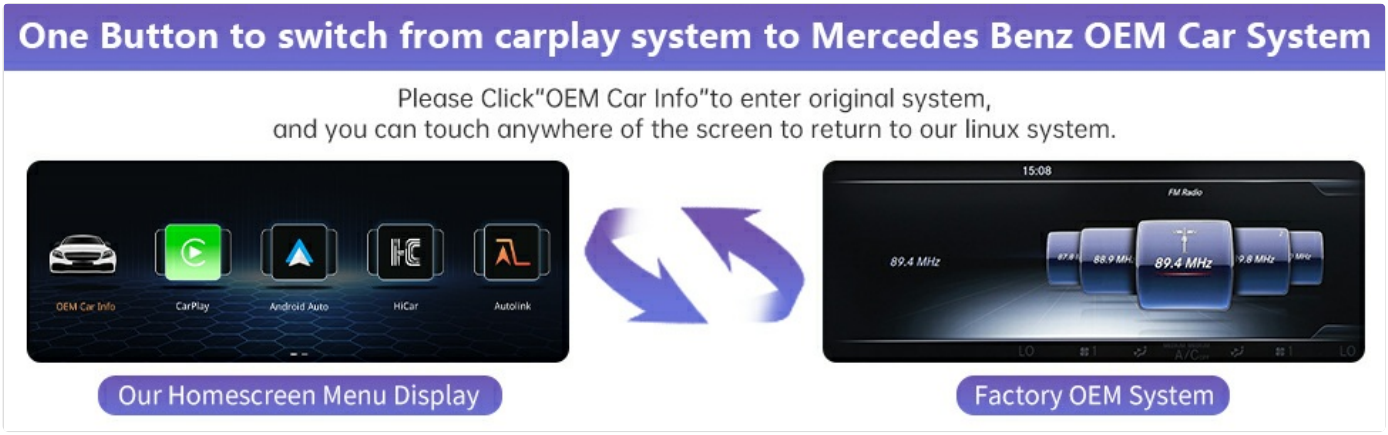


Image 5.1: Switching between the Road Top Linux system and the Mercedes-Benz OEM system.

5.2. Wireless CarPlay & Android Auto

To use Wireless CarPlay or Android Auto, ensure your phone's Bluetooth and Wi-Fi are enabled. The system will guide you through the initial pairing process. Once paired, your phone should automatically connect when you start the car.



Image 5.2: Demonstrating Wireless Apple CarPlay and Android Auto functionality.

5.3. Mirrorlink

Mirrorlink allows you to display your smartphone's screen directly onto the multimedia display. This feature supports both iOS and Android devices. Follow the on-screen prompts for connection.

5.4. Bluetooth Connectivity

The unit features built-in Bluetooth for hands-free calling and audio streaming. For optimal audio quality and to retain original car audio controls, it is recommended to link your phone directly to the car's OEM head unit via Bluetooth. Then, when using Android Auto or CarPlay, switch the OEM head unit's source input to Bluetooth on your phone. This ensures audio from navigation and media plays through the car's speakers.

5.5. Day and Night Mode

The screen automatically adjusts its display between day and night modes. This feature utilizes your car's original headlight sensor to provide a comfortable viewing experience in varying light conditions.



Image 5.3: Automatic adjustment of screen brightness for day and night driving.

5.6. Control Methods

The Linux system car screen supports both hand touch control and the original steering wheel control buttons. Functions such as voice control, telephone buttons, and volume controls on the steering wheel remain operational.

5.7. Camera Support

The system supports your factory original reverse camera and parking radar. It also allows for the integration of aftermarket reverse cameras and front view camera DVRs (CVBS input). Please note that aftermarket 360-degree cameras are not supported.



Image 5.4: Reverse camera display and retained OEM controls.

6. Maintenance

To ensure the longevity and optimal performance of your Road Top multimedia screen, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Software Updates:** Periodically check for software updates from Road Top to ensure the system operates with the latest features and bug fixes.

7. Troubleshooting

Many operational issues can be resolved by checking connections and settings. If you encounter problems, consider the following:

- **No Power/Display:** Verify all power cables are securely connected. Check vehicle fuses if necessary.
- **No Sound:** Ensure the audio input source on your OEM system is correctly selected (e.g., AUX or Bluetooth). Confirm phone's Bluetooth is connected to the OEM unit for audio.
- **Bluetooth Connection Issues:** If the unit's Bluetooth struggles to connect, try restarting both the screen and your phone. Ensure your phone is not simultaneously trying to connect to multiple Bluetooth devices.
- **Frozen Screen/Unresponsive:** Perform a soft reset by turning off the car's ignition and restarting. If the issue persists, a hard reset (disconnecting the car battery for a few minutes) may be required, but consult a professional if unsure.
- **Incorrect Temperature Units (Celsius/Fahrenheit):** Check the system settings for an option to change temperature units. If unavailable, contact Road Top support for potential software updates.
- **General Malfunctions:** Most problems are due to incorrect cable connections or settings. Double-check all wiring and configuration parameters.

If troubleshooting steps do not resolve the issue, please contact Road Top customer support for assistance.

8. Specifications

9. What's in the Box

The product package includes:

- 1 x Road Top 10.25-inch Car Multimedia Screen
- 1 x Power Cable
- 1 x LVDS / USB Cable
- 1 x Mounting Bracket

10. Warranty and Support

10.1. Warranty Information

Your Road Top multimedia screen comes with a **1-year warranty**. Additionally, a **30-day return and exchange policy** is offered from the date of purchase.

10.2. Customer Support

For any installation issues, operational questions, or technical support, please contact Road Top Direct. It is recommended to reach out to them before finalizing the installation if you encounter any problems, as most issues can be resolved with correct guidance.
You can typically find contact information for 'Road Top Direct' through your purchase platform or the official Road Top website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Feature	Specification
Display Size	10.25 Inches (Actual display size is 8.8 inches as per some specifications, but product is marketed as 10.25 inch)
Resolution	1920 x 720 HD
Operating System	Linux
Connectivity	Wireless CarPlay, Wireless Android Auto, Wireless Mirrorlink, Bluetooth
Control Method	Touchscreen, Steering Wheel Controls
Camera Support	Original Reverse Camera, Aftermarket Reverse Camera, Front View Camera DVR (CVBS input)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	3.41 pounds
Package Dimensions	12.8 x 7.01 x 5.51 inches