Road Top 12.3" Android 13 Car Radio Touchscreen

Road Top 12.3" Android 13 Car Radio Carplay Touchscreen Instruction Manual

Model: 12.3" Android 13 Car Radio Touchscreen

1. Product Overview

This manual provides instructions for the Road Top 12.3-inch Android 13 Car Radio Touchscreen. This system replaces your vehicle's factory OEM screen, integrating a Qualcomm Android 13 system while retaining original car radio functionalities. It offers enhanced features such as wireless Apple CarPlay, Android Auto, advanced navigation, and comprehensive camera support.

2. Compatibility

This car audio receiver touchscreen is designed for Mercedes Benz C Class W204 models manufactured between 2008 and 2010, specifically those equipped with the NTG4.0 system. Compatible models include C200, C230, C250, C300, C280, and C350 from the specified years.

Important: Before purchasing and installation, verify that your car's dashboard configuration matches the compatible examples shown below. Incompatible dashboards (e.g., C Class 2011-2013 with NTG4.5/4.7 or C Class 2016-2018 with NTG5.0) will not support this unit.



Image: Dashboard compatibility guide. Top row shows compatible dashboards (2008-2010 W204 with NTG4.0), indicated by green checkmarks. Bottom row shows incompatible dashboards (2011-2013 with NTG4.5/4.7 and 2016-2018 with NTG5.0), indicated by red crosses.

3. Key Features

- **Integrated Android 13 System:** Upgrades your vehicle with a Qualcomm Android 13 touchscreen, adding modern functionalities while preserving the original car radio system.
- **Wireless CarPlay & Android Auto:** Supports seamless wireless integration with Apple CarPlay and Android Auto for navigation, music, calls, and voice control via Siri or Google Assistant.
- **Retains Original Functions:** Maintains existing car features such as the original radio, amplifier, joystick control, and factory camera.
- **Navigation Support:** Compatible with various navigation applications, allowing you to link your preferred map apps to the homescreen.
- **Camera System Support:** Supports the original factory reverse camera and parking radar, as well as aftermarket reverse cameras, 360-degree cameras, and front-view DVR (CVBS input).
- **Built-in DSP Processor:** Features a full HD digital decoder and DSP audio processing module for multi-dimensional surround lossless audio and enhanced visual experience.
- **Split Screen Functionality:** Allows simultaneous display of two applications, such as navigation and music, for improved multitasking.
- **Bluetooth Connectivity:** Built-in Bluetooth for hands-free calling and music streaming.
- **High-Resolution Display:** 12.3-inch IPS display with 1920x720 resolution.
- **Powerful Hardware:** Equipped with a Qualcomm Snapdragon 662 (SM6115) processor (2.0GHz, 11nm), 8GB RAM, and 256GB ROM.

Image: Demonstrates the integration of the new system, showing the ability to keep the OEM car system, and add Wireless CarPlay,

Wireless Android Auto, and the Android 13 system interface.

Image: Illustrates the retention of original CANBUS protocol functions, including the OEM car system, original media support, steering wheel controls, OEM speaker sound output, OEM reversing camera compatibility, and original iDrive rotation control.

Image: Shows the split-screen feature, allowing navigation and music to be displayed simultaneously, and the Bluetooth interface for hands-free communication.

Image: Displays Google Maps online navigation and examples of CarPlay/Android Auto voice control using "Hey Siri" and "Hey Google" for navigation and other commands.

Image: Highlights the built-in DSP processor for audio customization and the display of a factory or aftermarket camera view with parking guidelines.

4. Setup and Installation

Installation of this unit requires removal of the car dashboard to connect the necessary wiring. It is highly recommended to have the installation performed by a professional car audio shop to ensure correct wiring and configuration. Incorrect cable connections or settings are common causes of issues.

Before finalizing the installation and reassembling the dashboard, thoroughly test all functions of the new system to confirm proper operation.



Image: Shows a side-by-side comparison of the car dashboard before and after the installation of the 12.3-inch Android 13 touchscreen, illustrating the integrated appearance.

Image: Provides product information including dimensions (12.3 inch screen, 12.9 inch / 32.5cm width, 5.5 inch / 14.5cm height), and diagrams of the unit's side and rear showing ports for power, LVDS, USB, 4G antenna, and GPS antenna.

5. Operating Instructions

The Road Top Android 13 Car Radio Touchscreen offers an intuitive user interface. You can navigate through various functions such as navigation, music, phone, car information, and system settings directly from the main menu. The system supports multiple languages and allows for customization of the user interface with 8 color options.

For detailed operation of the user interface, including accessing applications, adjusting settings, and utilizing features like split-screen and voice control, please refer to the video demonstration below.

Your browser does not support the video tag.

Video: This video demonstrates the user interface and menu navigation of the Road Top Android 13 Car Radio Touchscreen. It shows how to access different functions, change themes, and view system information.



Image: Illustrates the Android 13 user interface with various theme settings and 8 color options for personalization.

6. Maintenance

To ensure the longevity and optimal performance of your Road Top car radio touchscreen, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen and surrounding surfaces. Avoid abrasive cleaners or solvents that could damage the display or finish.
- **Software Updates:** Periodically check for system updates to ensure you have the latest features and security patches. Follow the on-screen prompts for any available updates.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent functionality.

7. Troubleshooting

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

- **No Power/Display:** Verify all power cables are correctly and securely connected. Check vehicle fuses if necessary.
- **No Sound:** Ensure speaker wires are properly connected and the volume is not muted or set too low. Check audio settings within the system.
- **Functionality Issues:** If specific features (e.g., CarPlay, Android Auto, camera) are not working, check their respective settings within the Android system. Often, issues arise from incorrect initial setup or cable connections.
- **System Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase personal data and settings).
- **GPS Signal Problems:** Ensure the GPS antenna is properly installed and has a clear view of the sky.

If problems persist after basic troubleshooting, contact customer support for assistance. Provide details about your vehicle model, year, and the specific issue encountered.

8. Specifications

Feature	Specification
Display Size	12.3 Inches
Resolution	1920 x 720
Operating System	Android 13
Processor	Qualcomm Snapdragon 662 (SM6115), 2.0GHZ, 11 nm
RAM	8 GB
ROM	256 GB
Connectivity Technology	Bluetooth, Wi-Fi
Special Features	Wireless Mirror Link, Touch Screen, Voice Control, Wireless Carplay & Android Auto, Built-in DSP
Map Type	Satellite (supports various navigation apps)
Mounting Type	Panel Mount
Item Weight	6.69 pounds
Product Dimensions	12.3 x 12.3 x 12.3 inches

9. What's in the Box

The product package typically includes the following components:

- 12.3-inch Android 13 Touchscreen Unit
- Power Cable
- LVDS/USB Cable
- GPS Antenna
- WiFi Antenna
- Mounting Bracket
- Blu-ray (as listed in components, typically refers to media playback capability)

10. Warranty and Support

This product comes with a **1-year manufacturer warranty**. For technical support, troubleshooting assistance, or warranty claims, please contact Road Top customer service. It is recommended to have your product model and purchase details available when contacting support.

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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.

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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.

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