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> AWESAFE Android 11.0 Car Radio User Manual for Mercedes Benz C-Class W204 (2008-2010) NTG 4.0 System

AWESAFE W204 NTG 4.0

AWESAFE Android 11.0 Car Radio User Manual

For Mercedes Benz C-Class W204 (2008-2010) NTG 4.0 System

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AWESAFE Android 11.0 Car Radio. This 10.25-inch display system is specifically designed for Mercedes Benz C-Class W204 models manufactured between 2008 and 2010, equipped with the NTG 4.0 system. Please read this manual thoroughly before using the product to ensure proper function and safety.



This image displays the AWESAFE 10.25-inch Android screen seamlessly integrated into the dashboard of a Mercedes Benz C-Class W204 model from 2008-2010, specifically for vehicles equipped with the NTG 4.0 system.

2. SAFETY INFORMATION

- Always prioritize driving safety. Do not operate the device in a way that distracts you from the road.
- Installation should be performed by a qualified professional to avoid damage to the vehicle or the unit.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.
- Keep the unit away from water, moisture, and extreme temperatures.

- Ensure all cables are securely connected and not interfering with vehicle controls.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 10.25-inch Display Screen
- Custom Installation Frame
- GPS Antenna
- 4G Module
- Connection Cable Set
- Radio Adapter
- Acoustic Insulation Card
- Disassembly Tools (various)
- User Manual (this document)



This image displays all components included in the AWESAFE product package: the 10.25-inch display screen, a custom frame, GPS antenna, 4G module, necessary connection cables, a radio adapter, an acoustic insulation card, specialized disassembly tools, and the user manual.

4. SETUP & INSTALLATION

The AWESAFE Android Car Radio is designed for integration with Mercedes Benz C-Class W204 (2008-2010) vehicles featuring the NTG 4.0 system. Due to the complexity of vehicle electronics, professional installation is highly recommended.

4.1. Pre-Installation Check

- Confirm your vehicle is a Mercedes Benz C-Class W204 (2008-2010) with NTG 4.0.
- Ensure all package contents are present and undamaged.
- Disconnect the vehicle's battery before starting any electrical work.

4.2. Installation Steps (General Overview)

1. Carefully remove the original car radio and dashboard trim using the provided disassembly tools.
2. Connect the AWESAFE unit's wiring harness to the vehicle's existing connectors, utilizing the radio adapter as needed.
3. Install the GPS antenna and 4G module in suitable locations, ensuring clear signal reception.

4. Mount the new 10.25-inch display screen into the custom installation frame.
5. Secure the assembled unit into the dashboard opening.
6. Reconnect the vehicle's battery and test the unit's functionality.
7. Reassemble any removed trim pieces.



This image illustrates the visual transformation of the Mercedes Benz C-Class W204 dashboard. The left side shows the original car radio setup ('Antes de la instalación'), while the right side displays the sleek, integrated AWESAFE 10.25-inch Android screen after installation ('Después de la instalación').

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. A long press on the power button (if available) can manually turn it off or on.
- **Touchscreen Interface:** Navigate through menus and applications by touching the 10.25-inch display.
- **Home Screen:** Access frequently used apps and widgets from the customizable home screen.

5.2. Original Vehicle System Integration

The AWESAFE unit allows seamless switching between the Android system and your original Mercedes Benz NTG 4.0 system, preserving original car functions.

- **Switching Modes:** Use the designated button or on-screen option to switch between the Android interface and the original car radio display.
- **Original Controls:** The system maintains compatibility with the original CD player, vehicle speakers, and the iDrive control knob.
- **Vehicle Information:** Essential vehicle data such as speed, handbrake status, seatbelt warnings, port information, and oil level can be displayed on the screen.



The system features a 'Free Switching System' allowing users to easily alternate between the Android interface and the original car's functions. This image confirms compatibility with the original CD player, existing vehicle speakers, and the iDrive control knob, preserving the car's native features.



The AWESAFE system is designed to maintain and display essential original vehicle information. This image shows the screen presenting data like vehicle speed, handbrake status, seatbelt warnings, port information, and oil level, ensuring critical car functions remain accessible.

5.3. Carplay & Android Auto

Connect your smartphone to access Carplay (for iPhone) or Android Auto (for Android phones) for a safer and smarter way to use your phone in the car.

- **Connection:** Typically connects via USB cable or wirelessly (refer to device settings for specific connection methods).
- **Features:** Access navigation, music, messages, and calls directly from the car's display.



The AWESAFE system supports Apple Carplay, allowing iPhone users to access their phone's features, such as navigation, music, messages, and calls, directly on the car's display.

Mantener la información original del vehículo



The AWESAFE system supports Android Auto, enabling Android phone users to integrate their device for navigation, music, communication, and other apps directly on the car's screen.

5.4. 4G/WiFi Connectivity

The unit supports 4G SIM card insertion for mobile data and can connect to WiFi networks.

- **4G SIM Card:** Insert a compatible 4G SIM card into the designated slot for internet access on the go.
- **WiFi:** Connect to available WiFi hotspots for internet access, app downloads, and online content streaming.



This image highlights the advanced capabilities of the AWESAFE unit, including support for a 4G SIM card for mobile data connectivity. It also specifies the core hardware: Android 11 operating system, an 8-core CPU, 4GB of RAM, and 64GB of internal storage (ROM).

5.5. GPS Navigation

Utilize the integrated GPS for accurate navigation.

- **Map Software:** The unit comes with pre-installed map software or allows for download of preferred navigation apps.
- **Real-time Directions:** Receive turn-by-turn voice guidance and visual map displays.



The AWESAFE system supports advanced GPS navigation, providing clear, turn-by-turn directions and real-time map data. This image shows different views of the navigation interface, guiding the user to their destination.

5.6. Bluetooth Functions

Connect your mobile phone via Bluetooth for hands-free communication and audio streaming.

- **Pairing:** Enable Bluetooth on your phone and the AWESAFE unit, then select the unit from your phone's device list to pair.
- **Hands-free Calling:** Make and receive calls directly through the car's speakers and microphone.
- **Audio Streaming:** Play music and other audio from your phone through the car's sound system.



This image illustrates the Bluetooth functionality of the AWESAFE unit, enabling wireless connection to mobile phones for hands-free calling and audio streaming directly to the car's sound system.

5.7. Digital Sound Processor (DSP)

Customize your audio experience with the integrated DSP.

- **Equalizer:** Adjust various frequency bands to fine-tune the sound output.
- **Sound Field:** Optimize audio distribution for different seating positions within the vehicle.



The integrated Digital Sound Processor (DSP) allows for precise audio customization. This image shows the equalizer interface for adjusting sound frequencies and a visual diagram demonstrating how the sound field can be optimized for different seating positions within the vehicle.

5.8. Steering Wheel Control

The unit is compatible with your vehicle's original steering wheel controls.

- **Functionality:** Control volume, track skipping, and answer/end calls directly from your steering wheel.
- **Configuration:** Some vehicles may require configuration in the unit's settings to map steering wheel buttons correctly.



The AWESAFE system integrates with the vehicle's existing steering wheel controls, allowing for safe and convenient operation of functions such as answering calls, adjusting volume, and controlling media playback without taking hands off the wheel.

5.9. Rear Camera Support

Enhance parking safety with rear camera integration.

- **Compatibility:** Supports both original factory rear cameras and aftermarket cameras (requires RCA connector).
- **Display:** Automatically switches to the rear camera view when the vehicle is in reverse.



This image demonstrates the AWESAFE unit's compatibility with rear-view cameras. It shows a clear display of the area behind the vehicle, complete with dynamic parking guidelines, assisting with safe maneuvering. The system supports both original and aftermarket cameras (requires RCA connector).

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. For stubborn marks, a slightly damp cloth with a mild, non-abrasive cleaner can be used. Avoid harsh chemicals.
- **Software Updates:** Periodically check for software updates through the unit's settings or the manufacturer's website to ensure optimal performance and access to new features.
- **Avoid Liquids:** Do not spray cleaning liquids directly onto the unit.
- **Temperature:** Avoid exposing the unit to extreme temperatures for prolonged periods.

7. TROUBLESHOOTING

If you encounter issues with your AWESAFE Android Car Radio, please refer to the following common solutions:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue	Check all power cables. Inspect vehicle fuses. Ensure vehicle battery is charged. Consult a professional installer.
No sound output	Volume too low, incorrect audio source, loose speaker connections	Increase volume. Select correct audio source (e.g., FM, Bluetooth, Carplay). Check speaker wiring.
Touchscreen unresponsive	Software glitch, temporary freeze	Restart the unit (turn vehicle ignition off and on). If issue persists, perform a factory reset (refer to settings, note this will erase data).
GPS signal lost or inaccurate	GPS antenna obstruction, poor satellite reception	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Update map data.
Bluetooth connection issues	Device not paired, Bluetooth off, interference	Ensure Bluetooth is enabled on both devices. Re-pair the device. Move away from sources of interference.
Carplay/Android Auto not connecting	Faulty USB cable, phone software issue, incorrect settings	Use a high-quality USB cable. Ensure phone software is updated. Check Carplay/Android Auto settings on both the unit and your phone.

If these solutions do not resolve the issue, please contact customer support for further assistance. Note that complex issues may require professional diagnosis.

8. SPECIFICATIONS

Key technical specifications of the AWESAFE Android Car Radio:

- **Operating System:** Android 11.0
- **Processor:** 8-Core CPU
- **Memory (RAM):** 4 GB
- **Storage (ROM):** 64 GB
- **Screen Size:** 10.25 inches
- **Screen Resolution:** 1024 x 600
- **Display Type:** LCD, Touchscreen
- **Connectivity:** 4G (SIM card support), WiFi, Bluetooth, USB
- **Navigation:** GPS (Europe map type)
- **Vehicle Compatibility:** Mercedes Benz C-Class W204 (2008-2010) with NTG 4.0 system
- **Control Method:** Touch, compatible with original iDrive control and steering wheel controls
- **Dimensions (Package):** 41.2 x 22.9 x 18.1 cm
- **Weight (Package):** 2.19 kg



This diagram details the internal hardware of the AWESAFE system, featuring an 8-core Central Processing Unit (CPU) for fast performance, 4GB of Random Access Memory (RAM) for smooth multitasking, and 64GB of Read-Only Memory (ROM) for storage.

9. WARRANTY & SUPPORT

AWESAFE products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding product functionality, please contact the seller or AWESAFE customer service directly. Please have your product model and purchase details ready when contacting support.