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› MekedeTech Android Car Radio Stereo for Mercedes Benz W211 E300 (2002-2010) User Manual

MekedeTech 8-Core 8+128G

MekedeTech Android Car Radio Stereo User Manual

Model: 8-Core 8+128G for Mercedes Benz W211 E300 (2002-2010)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your MekedeTech Android Car Radio Stereo. This unit is designed for Mercedes Benz W211 E300 models manufactured between 2002 and 2010. It features an Android 12 operating system, an 8-core CPU, 8GB RAM, 128GB ROM, a 9-inch IPS touch screen with 1280x720 resolution, wireless CarPlay/Android Auto, 4G LTE connectivity, Bluetooth 5.0, and a built-in DSP sound system.

SETUP AND INSTALLATION

Package Contents

Before beginning installation, verify that all components are present:

- MekedeTech Android Head Unit
- Dash Kit (specific to Mercedes Benz W211 E300)
- Power Cable
- RCA Cables
- Reversing Camera Cable
- USB Cables
- GPS Antenna
- 4G LTE Antenna

The image below displays the various cables and accessories included for installation.



Image: Various cables and connectors, including power harnesses, RCA cables, and USB extensions, essential for the installation of the head unit.

Vehicle Compatibility

This head unit is specifically designed for Mercedes Benz W211 E300 models from 2002 to 2010. Ensure your vehicle falls within this range for proper fitment and functionality.

Installation Steps

1. **Preparation:** Turn off the vehicle's ignition and disconnect the negative terminal of the car battery to prevent electrical shorts.
2. **Remove Original Unit:** Carefully remove the existing car radio and dashboard trim. Refer to your vehicle's

service manual for specific instructions on trim removal.

3. **Connect Wiring:** Connect the provided power cable, RCA cables, USB cables, and reversing camera cable to the corresponding ports on the new head unit and the vehicle's wiring harness. Ensure all connections are secure.
4. **Install GPS and 4G Antennas:** Mount the GPS and 4G LTE antennas in a location that provides clear signal reception, typically on the dashboard or under the windshield.
5. **Cooling Fan Connection:** The unit supports an external cooling fan. Connect the cooling fan cable to the designated port on the head unit. To activate the cooling fan, navigate to **Settings > Device > Sound** and ensure **AMP ON** is selected. The cooling fan will then begin operation.
6. **Mount Head Unit:** Secure the new Android head unit into the dashboard opening using the provided dash kit and mounting brackets.
7. **Reconnect Battery:** Reconnect the negative terminal of the car battery.
8. **Initial Power On:** Turn on the vehicle's ignition and power on the head unit. Perform initial setup and testing of all functions.

The following images illustrate the appearance of the original radio compared to the new head unit, and the new unit installed in the vehicle's dashboard.



OCTA CORE, UP TO 2.0GHZ, 8+128GB
CPU: 2*cortex A75 + 6*cortex A55 (12NM)

Android System 8GB RAM 128GB ROM





Support Cooling fan

The cooling fan can deal with and solve the abnormal operation caused by high temperature in summer and long-term use of the machine, such as restart, abnormal touch, abnormal function, etc....

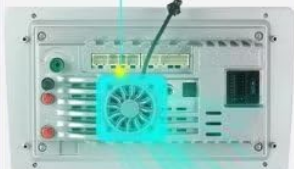
There is no cooling fan



cpu_thermal_zone	91.0°C
gpu_thermal_zone	89.0°C

High temperature

With cooling fan



cpu_thermal_zone	57.0°C
gpu_thermal_zone	57.0°C

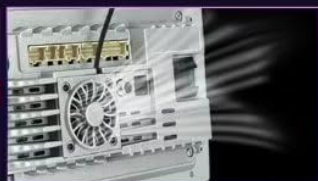
Normal temperature

Setup steps:

- 

connect
- 

2. Settings -- Device -- Sound
- 

3. Device -- AMP ON
- 

4. The cooling fan starts working

Image: A side-by-side comparison showing the factory Mercedes Benz W211 radio and the MekedeTech Android head unit, highlighting the modern display and integrated design.

Built-in Car-Play + Auto

car dvd player comes with car-play function, no need to purchase additional accessories.

Wireless Car-Play(ios system)

Connection steps:

1. Connect BT
2. Click on "Car Link" and wait for connection

(Car-Play can also be connected via USB Cable)

Wireless Auto(Android system)

Connection steps:

1. Connect BT
2. Click on "Car Link" and wait for connection

(Auto can also be connected via USB Cable)

Image: The MekedeTech Android head unit seamlessly integrated into the dashboard of a Mercedes Benz W211 E300, displaying its user interface.

The composite image below provides details on the internal components and cooling fan setup steps.

Built-in 4G Lte and WIFI

The built-in 4G module allows you to connect to the cellular network almost anywhere, anytime. No need to open your cellular hotspot connection every time.



4G SIM card slot

The machine includes two SIM card slots, one on the back of the main unit and one on the RCA cable.



External SIM card slot

Support DSP Processor

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!



Image: A multi-panel graphic detailing the unit's 8-core CPU, 8GB RAM, 128GB ROM, the cooling fan mechanism with setup steps, and the location of the 4G SIM card slot.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press and hold the power button (if available) or turn the vehicle's ignition on/off.
- **Touch Screen:** Navigate the Android interface by tapping, swiping, and pinching on the 9-inch IPS touch screen.
- **Volume Control:** Adjust audio volume using the physical buttons on the unit or the steering wheel controls.

Wireless CarPlay and Wired Android Auto

The head unit supports both wireless Apple CarPlay and wired Android Auto, allowing seamless integration with your smartphone.



Image: The head unit's screen showing the Apple CarPlay interface with various application icons like Phone, Music, Maps, and Messages.

Connection Steps:

1. **Enable Bluetooth:** On your smartphone, enable Bluetooth.
2. **Pair Device:** On the head unit, go to the Bluetooth settings and pair with your smartphone.
3. **Access Car Link:** Open the 'Car Link' application on the head unit.
4. **Connect:** For wireless CarPlay, the connection should establish automatically after Bluetooth pairing. For wired Android Auto, connect your Android phone via a USB cable to the unit.

The image below illustrates the connection steps for both wireless CarPlay (iOS) and wireless Android Auto (Android system).

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4G SIM card slot

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External SIM card slot

Support DSP Processor

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Image: A section of the composite graphic detailing the three-step connection process for both Wireless Car-Play (iOS system) and Wireless Auto (Android system), emphasizing Bluetooth connection and the 'Car Link' application.

4G LTE and Wi-Fi Connectivity

The unit supports 4G LTE and Wi-Fi for internet access.

- **4G LTE:** Insert a 4G SIM card into the designated slot on the unit to access cellular data. There are two SIM card slots: one on the back of the main unit and one on the RCA cable.
- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your smartphone) via the unit's Wi-Fi settings.

The image below shows the 4G SIM card slot location.

Built-in 4G Lte and WIFI

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External SIM card slot

Support DSP Processor

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Image: A section of the composite graphic highlighting the 4G SIM card slot, indicating its location on the unit and on the RCA cable.

Bluetooth 5.0

Pair your Bluetooth-enabled devices for hands-free calling and audio streaming. Access Bluetooth settings to search for and connect to devices.

GPS Navigation

The unit includes built-in GPS navigation. Access the navigation application to use pre-installed maps or download additional map data.

Digital Sound Processor (DSP)

The integrated DSP provides enhanced audio quality. Adjust sound settings and equalizer preferences through the unit's audio settings menu to customize your listening experience.

Built-in 4G Lte and WIFI

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4G SIM card slot

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External SIM card slot

Support DSP Processor

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!



Image: A section of the composite graphic depicting the DSP processor, indicating its role in multi-dimensional surround lossless sound effects and high-definition audio-visual enjoyment.

Steering Wheel Controls

The unit retains original steering wheel control functionality. This allows you to conveniently switch songs, change channels, and adjust volume without removing your hands from the steering wheel.

MAINTENANCE

Cleaning

To clean the screen and unit, use a soft, dry, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.

Software Updates

Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be downloaded via Wi-Fi or USB and installed through the unit's system settings.

TROUBLESHOOTING

If you encounter issues with your MekedeTech Android Car Radio Stereo, refer to the following common problems and solutions:

- **No Power:** Ensure all power cables are securely connected and the vehicle's battery is properly charged. Check the fuse for the radio circuit.
- **No Sound:** Verify that the volume is not muted or set too low. Check speaker connections and DSP settings. Ensure the 'AMP ON' setting is enabled if using an external amplifier or cooling fan.
- **CarPlay/Android Auto Not Connecting:** Confirm Bluetooth is enabled and paired. For wired Android Auto, try a different USB cable. Ensure the 'Car Link' app is open on the head unit.
- **GPS Signal Issues:** Check that the GPS antenna is properly installed and has a clear line of sight to the sky. Avoid placing it under metal objects.
- **Slow Performance/Freezing:** Restart the head unit. If the issue persists, consider performing a factory reset (note: this will erase all user data and settings).
- **Steering Wheel Controls Not Working:** Verify that the steering wheel control wires are correctly connected during installation. Some vehicles may require specific configuration in the unit's settings.

If these steps do not resolve the issue, please contact customer support.

SPECIFICATIONS

Feature	Specification
Operating System	Android 12 OS
CPU	8-Core A53 1.8GHz
Memory (RAM)	8 GB
Storage (ROM)	128 GB
Screen Size	9 Inches
Display Resolution	1280 x 720 IPS
Power Output	4*50W
Connectivity	4G LTE, Wi-Fi, Bluetooth 5.0
Special Features	Wireless CarPlay, Wired Android Auto, Built-in GPS, DSP Sound System, Steering Wheel Control Support
Audio Format Support	APE/FLAC/WAV/MP3/WMA etc.
Video Format Support	MKV/RMVB/AVI/MP4/MDV etc.
Picture Format Support	PNG/JPEG/JPG/GIF/WBMP/BNP etc.
Vehicle Service Type	Car

WARRANTY INFORMATION

This MekedeTech Android Car Radio Stereo comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact MekedeTech customer service. You can find more information and contact details by visiting the official MekedeTech store:

[Visit the MekedeTech Store on Amazon](#)

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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.

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