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> CAMECHO Android 15 Car Radio User Manual for Mercedes Benz B-Class W245, Viano, Vito W639, Sprinter (8-Core, 6GB RAM, 128GB ROM)

CAMECHO 8-Core 6+128G

CAMECHO Android 15 Car Radio User Manual

For Mercedes Benz B-Class W245, Viano, Vito W639, Sprinter (8-Core, 6GB RAM, 128GB ROM)

1. INTRODUCTION

Thank you for choosing the CAMECHO Android 15 Car Radio. This high-performance multimedia system is designed for Mercedes Benz B-Class W245, Viano, Vito W639, and Sprinter models. It features a Qualcomm Snapdragon 8-Core processor, a 9-inch touch screen with 1280x720 resolution, 6GB RAM, and 128GB ROM, ensuring a smooth and responsive user experience. This manual provides essential information for installation, operation, and maintenance of your new car radio.



Figure 1.1: CAMECHO Android 15 Car Radio integrated into a vehicle dashboard.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these guidelines may result in injury, damage to the device, or vehicle damage.

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended.
- **Power Disconnection:** Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- **Wiring:** Ensure all wiring is correctly connected according to the provided diagrams. Incorrect wiring can cause damage or malfunction.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

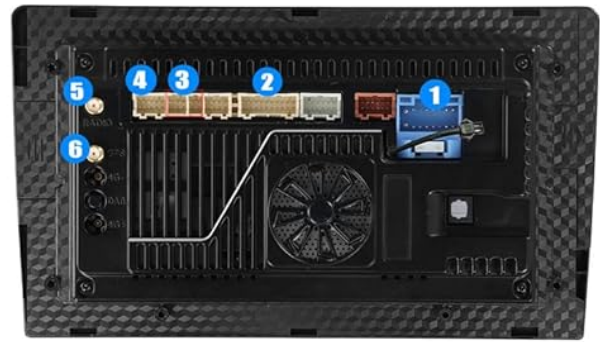
- 1 x Android Car Radio (with frame)
- 1 x GPS Antenna
- 1 x Antenna Adapter
- 1 x Power Cable
- 1 x RCA Cable
- 2 x USB Cables
- 1 x User Manual
- 1 x Rear Camera
- 1 x Canbus Decoder
- 1 x Microphone



Before Installation

After Installation

If unsure about compatibility, please send the car's model/year, a center console photo, and ideally a photo of the CD's back. We're here to help!(icamecho@hotmail.com) [Please replace "," with "."]



- 1. Power Cable
- 2. RCA Cable
- 3. USB Cable
- 4. Camera Input
- 5. Radio Adapter
- 6. GPS Antenna

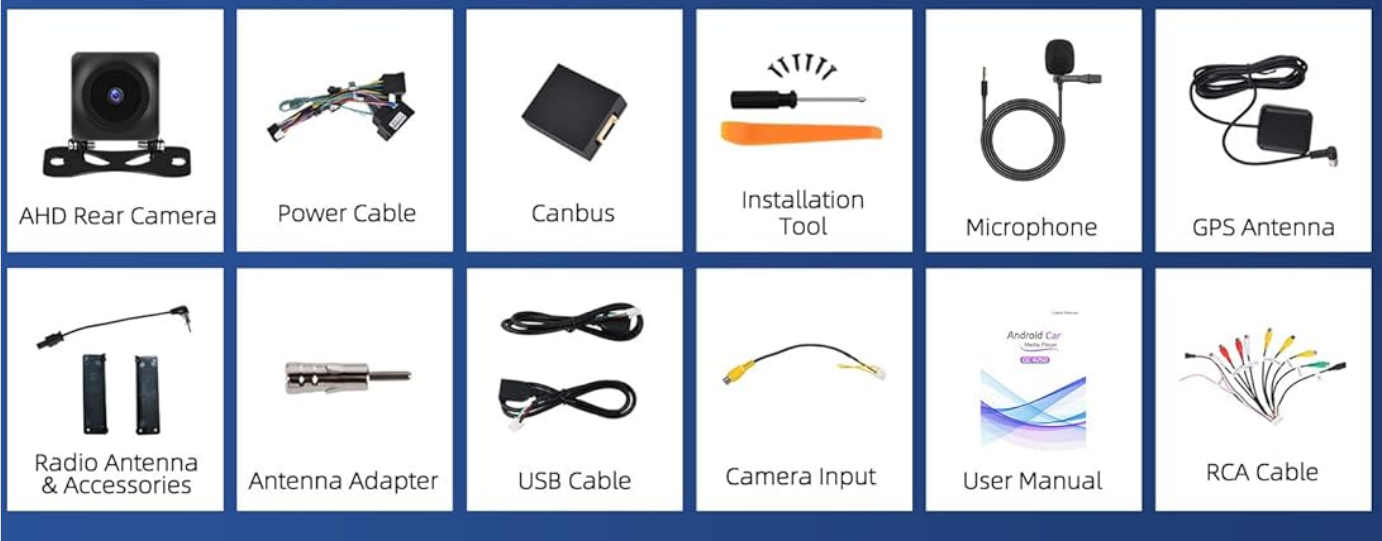


Figure 3.1: Overview of the car radio unit and included accessories.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing your CAMECHO car radio. Specific vehicle models may require slight variations. Refer to your vehicle's service manual for detailed dashboard disassembly instructions.

4.1 Pre-Installation Check

1. Ensure the vehicle's ignition is off and the battery is disconnected.
2. Carefully remove the original car radio and dashboard trim.
3. Compare the new unit's dimensions and connectors with your vehicle's existing setup.

4.2 Wiring Connections

Refer to the wiring diagram provided with your unit and the image below for common connections:

- **Power Cable:** Connect the main power harness to the vehicle's power supply. Ensure correct positive, negative, and accessory wire connections.
- **RCA Cable:** For external amplifiers or additional audio/video inputs/outputs.
- **USB Cables:** Connect for USB devices, data transfer, or charging.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **Camera Input:** Connect the included rear camera cable to the designated input.
- **Canbus Decoder:** Connect the Canbus decoder to integrate with vehicle systems like steering wheel controls.
- **Microphone:** Connect the external microphone for improved call quality.

4.3 Unit Installation

1. Carefully insert the new car radio into the dashboard opening.
2. Secure the unit using the mounting brackets and screws.
3. Reinstall the dashboard trim and panels.
4. Reconnect the vehicle's battery.
5. Turn on the ignition and test the unit's functionality.

5. OPERATING INSTRUCTIONS

This section details the primary functions and how to operate your CAMECHO Android 15 Car Radio.

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually on the front panel) to turn the unit on or off. A short press typically mutes or unmutes audio.
- **Volume Control:** Use the volume knob or on-screen controls to adjust audio levels.
- **Touch Screen:** The 9-inch IPS touch screen responds to taps, swipes, and pinches for navigation and control.

5.2 Wireless Carplay & Android Auto

Connect your smartphone wirelessly to access navigation, music, calls, and messages directly on the car radio display.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car radio, open the Carplay or Android Auto application.
3. Follow the on-screen prompts to pair your device.



Figure 5.1: Wireless Carplay and Android Auto interface on the car radio.

5.3 Mirror Link

The Mirror Link function allows you to display your smartphone's screen content directly onto the car radio's larger display. This can be done via USB cable or Wi-Fi connection, depending on your phone model and the app used.

5.4 GPS Navigation

The unit supports various online and offline navigation applications. Connect to Wi-Fi to download maps and receive real-time traffic updates.

- Open your preferred navigation app (e.g., Google Maps, Waze).
- Enter your destination and follow the voice and visual prompts.

GPS Navigaton & FM/RDS Radio



Figure 5.2: GPS Navigation interface showing online and offline map capabilities.

5.5 Wi-Fi Connectivity

Connect to a Wi-Fi hotspot (e.g., from your smartphone) to access online features, download apps, and browse the internet.

1. Go to Settings > Wi-Fi.
2. Select your desired network and enter the password.



Figure 5.3: Dual-band Wi-Fi connection for fast internet access and app usage.

5.6 Audio Features (DSP, FM/RDS)

The integrated Digital Sound Processor (DSP) allows for advanced audio customization, including 36-band EQ, to achieve optimal sound quality. The FM/RDS radio supports 18 pre-tuned stations with enhanced noise reduction.

- **DSP:** Access the DSP settings through the audio application to fine-tune frequency, balance, and equalizer presets.
- **FM/RDS:** Select the Radio app to tune into FM stations. RDS (Radio Data System) provides station information and traffic announcements where available.



Figure 5.4: DSP system for customized sound quality.

5.7 Bluetooth 5.1

Connect your phone via Bluetooth 5.1 for hands-free calling and audio streaming.

1. Enable Bluetooth on your phone and the car radio.
2. Search for available devices on the car radio and select your phone.
3. Confirm the pairing code on both devices.

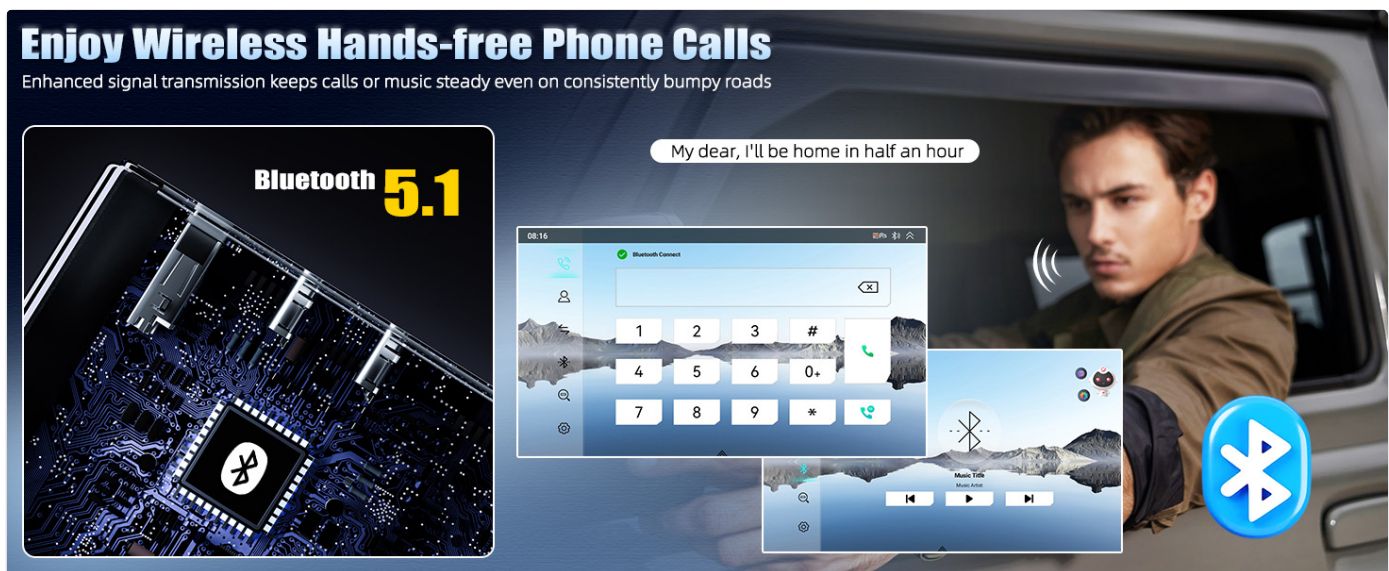


Figure 5.5: Bluetooth 5.1 for wireless hands-free communication.

5.8 Rear Camera & Steering Wheel Control

- **Rear Camera:** When the vehicle is in reverse gear, the display automatically switches to the rear camera view, aiding in safe parking.
- **Steering Wheel Control:** The unit supports learning functions for your vehicle's steering wheel buttons, allowing you to control media playback, volume, and calls without taking your hands off the wheel. Access this feature in the system settings.



Figure 5.6: Reversing assist and steering wheel control interface.

5.9 Additional Features

- **Voice Assistance:** (Activation required) Integrate with voice assistants for hands-free commands.
- **DAB Function:** (Optional, requires DAB module ASIN: B0B457NJBV) For enhanced digital radio reception.
- **OBD2 Function:** (Requires activation) Supports fault detection, real-time data monitoring, and emission control via an OBD2 adapter.
- **UI Customization:** Personalize the user interface with multiple UI options and a 3D dynamic car model display.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car radio.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and buttons.
- **Cooling Fan:** The unit includes a cooling fan to maintain optimal operating temperature. Ensure the fan vents are not obstructed.
- **Software Updates:** Periodically check for software updates to improve performance and add new features. Updates can usually be found on the manufacturer's website or through the unit's system settings.



Figure 6.1: Internal cooling fan for efficient heat dissipation.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions before contacting support.

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, power issue	Check power connections, inspect vehicle fuses, ensure battery is connected.
No sound	Volume muted, incorrect speaker wiring, amplifier issue	Check volume level, verify speaker connections, test with different audio sources.
GPS signal lost/inaccurate	Antenna obstruction, faulty antenna, software issue	Ensure GPS antenna has clear sky view, check antenna connection, restart navigation app.
Bluetooth not connecting	Bluetooth off, device not discoverable, pairing issue	Ensure Bluetooth is on for both devices, make phone discoverable, delete previous pairings and re-pair.
Steering wheel controls not working	Canbus not connected, incorrect settings, incompatible vehicle	Verify Canbus connection, perform steering wheel button learning in settings.

If the problem persists after trying these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	CAMECHO
Model	8-Core 6+128G
Operating System	Android 15
Processor	Qualcomm Snapdragon SM4250, 8-Core (4x Cortex-A53 @ 1.8GHz + 4x Cortex-A53 @ 1.6GHz)
GPU	Adreno 610
RAM	6 GB
ROM	128 GB
Screen Size	9 Inches
Screen Resolution	1280x720 IPS Touch Screen
Connectivity	Bluetooth 5.1, Dual-band Wi-Fi (2.4GHz/5GHz), USB, Ethernet
Special Features	Wireless Carplay, Android Auto, Mirror Link, DSP (36-band EQ), FM/RDS Radio, GPS Navigation, Rear Camera Support, Steering Wheel Control, Voice Assistance, DAB+ (optional), OBD2 (optional)
Audio Output Mode	Stereo
Power Output	50 Watts (per channel), 200 Watts (total)
Compatible Devices	Android, iPhone
Item Weight	1 Kilogram
Package Dimensions	34 x 22 x 8.5 cm

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or any questions not covered in this manual, please contact CAMECHO customer support.

Customer Support Email: icamecho@hotmail.com

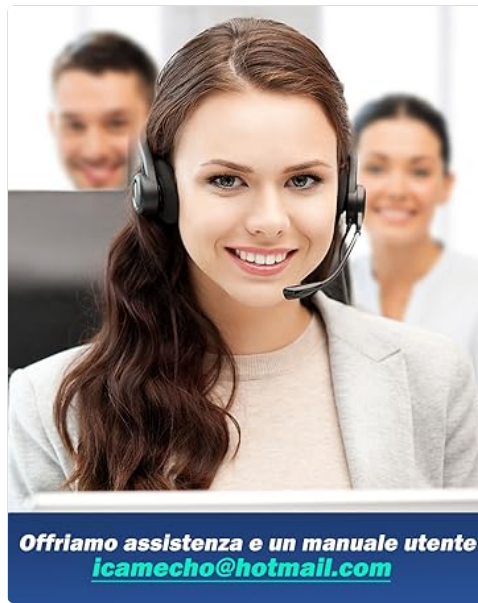


Figure 9.1: CAMECHO customer support contact information.