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› MekedeTech Android Car Stereo GPS Head Unit User Manual for VW Passat B6 B7 B8 CC Magotan (2011-2015)

MekedeTech 8-Core 2+32G

MekedeTech Android Car Stereo GPS Head Unit User Manual

For Volkswagen VW Passat B6, B7, B8, CC, Magotan (2011-2015)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your MekedeTech Android Car Stereo GPS Head Unit. This unit is designed for specific Volkswagen models, including the VW Passat B6, B7, B8, CC, and Magotan produced between 2011 and 2015. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PACKAGE CONTENTS

Before beginning installation, verify that all components are present in the package:

- MekedeTech Android Car Stereo Head Unit
- Dash Kit (specific to VW Passat B6/B7/B8/CC/Magotan 2011-2015)
- Power Cable
- RCA Cable
- Reversing Camera Cable
- USB Cables
- GPS Antenna
- External Microphone (if included)

3. SETUP AND INSTALLATION

The MekedeTech Android Car Stereo is designed for a plug-and-play installation in compatible Volkswagen vehicles. Professional installation is recommended to ensure correct wiring and avoid damage to the vehicle's electrical system.

3.1 Pre-Installation Steps

1. **Disconnect Battery:** Before starting any electrical work, disconnect the vehicle's negative battery terminal to prevent short circuits.
2. **Remove Original Head Unit:** Carefully remove the existing car stereo and trim panels. Refer to your vehicle's

service manual for specific instructions on panel removal.

3. **Inspect Wiring:** Familiarize yourself with the vehicle's wiring harness and the provided cables.

3.2 Connecting the Head Unit

1. **Connect Power Cable:** Attach the provided power cable to the vehicle's wiring harness. Ensure all connections are secure.
2. **Connect RCA and USB Cables:** Connect the RCA and USB cables as needed for external devices or accessories.
3. **Connect Reversing Camera Cable:** If installing a reversing camera, connect its cable to the designated input on the head unit.
4. **Connect GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky (e.g., dashboard or windshield) and connect it to the head unit.
5. **Connect Radio Antenna:** Attach the vehicle's radio antenna to the head unit.
6. **Test Connections:** Before fully reassembling, temporarily reconnect the battery and power on the unit to verify basic functionality (power, audio, display).

3.3 Installation into Dashboard

1. **Secure Head Unit:** Carefully slide the head unit into the dashboard opening, ensuring all cables are not pinched. Secure it using the provided dash kit and mounting screws.
2. **Reinstall Trim Panels:** Reattach all removed trim panels and secure them properly.
3. **Reconnect Battery:** Reconnect the vehicle's negative battery terminal.



Figure 3.1: Comparison of the original car stereo and the MekedeTech Android Head Unit installed in a Volkswagen dashboard.

4. OPERATING INSTRUCTIONS

Your MekedeTech Android Car Stereo operates on Android 13 OS, providing a user-friendly interface and access to various features.

4.1 Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. Press and hold the power button (if available) for manual control.

- **Touch Screen:** Navigate the interface using the 9-inch IPS touch screen.
- **Volume Control:** Adjust volume using the physical buttons on the unit or the steering wheel controls.
- **Steering Wheel Controls:** The unit supports original steering wheel control functions for easy access to songs, channels, and volume.

4.2 Connectivity Features

- **Wireless CarPlay / Wired Android Auto:**

Connect your compatible smartphone for seamless integration. For Wireless CarPlay (iOS), connect via Bluetooth and then use the "Car Link" app. For Wired Android Auto, connect via USB cable and use the "Car Link" app.

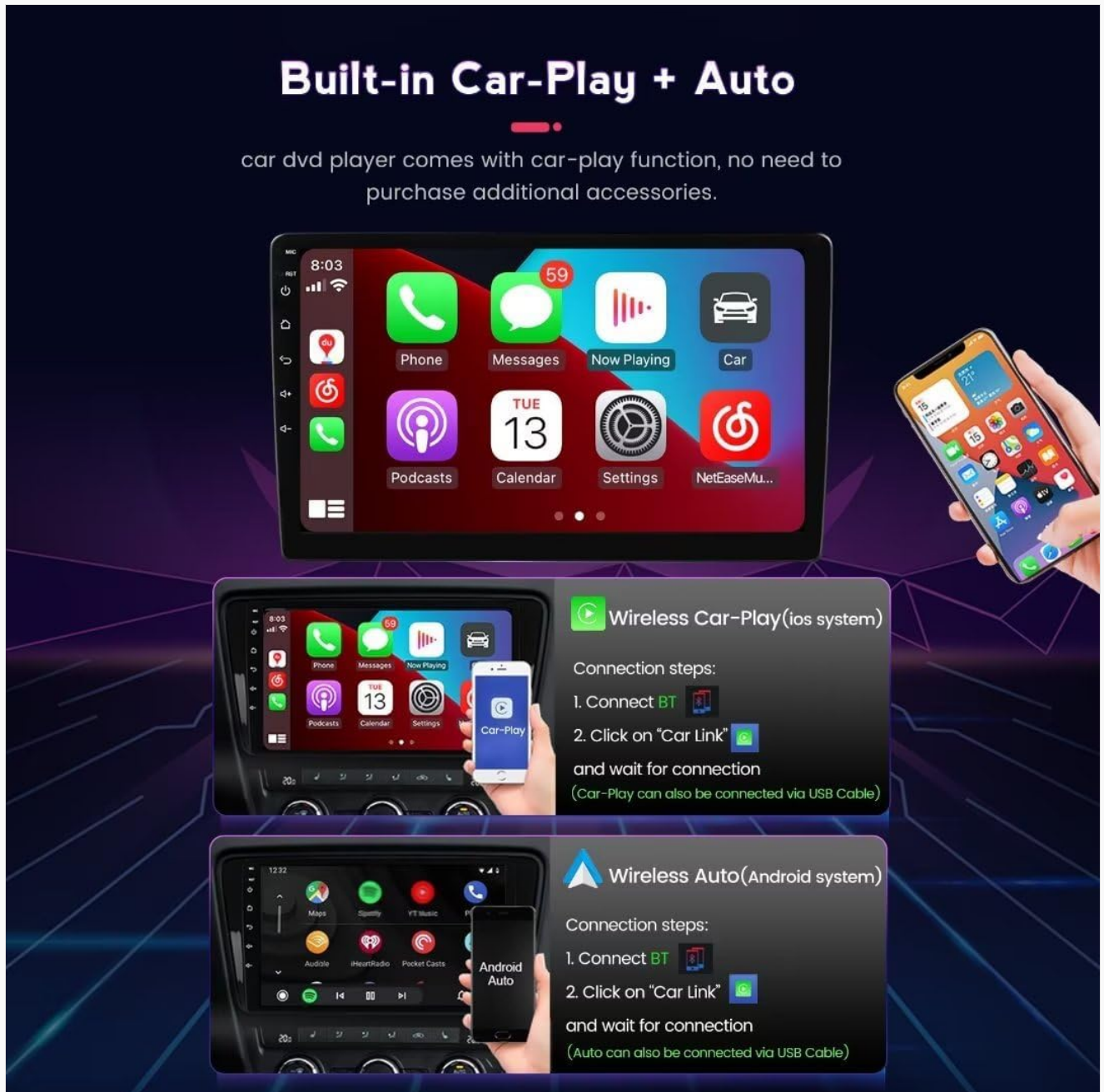


Figure 4.1: Wireless CarPlay (iOS) and Wired Android Auto (Android) connection instructions.

- **4G LTE & WiFi:**

Insert a 4G SIM card into the designated slot for cellular internet access. Alternatively, connect to a WiFi hotspot for internet connectivity.



Figure 4.2: Location of the 4G SIM card slot and overview of the DSP processor.

- **Bluetooth 5.0:**

Pair your phone via Bluetooth for hands-free calling and audio streaming. Access Bluetooth settings from the main menu to pair devices.

4.3 Navigation and Multimedia

- **GPS Navigation:** The unit includes built-in GPS navigation. Access map applications from the main screen. Ensure the GPS antenna is properly installed for optimal signal reception.

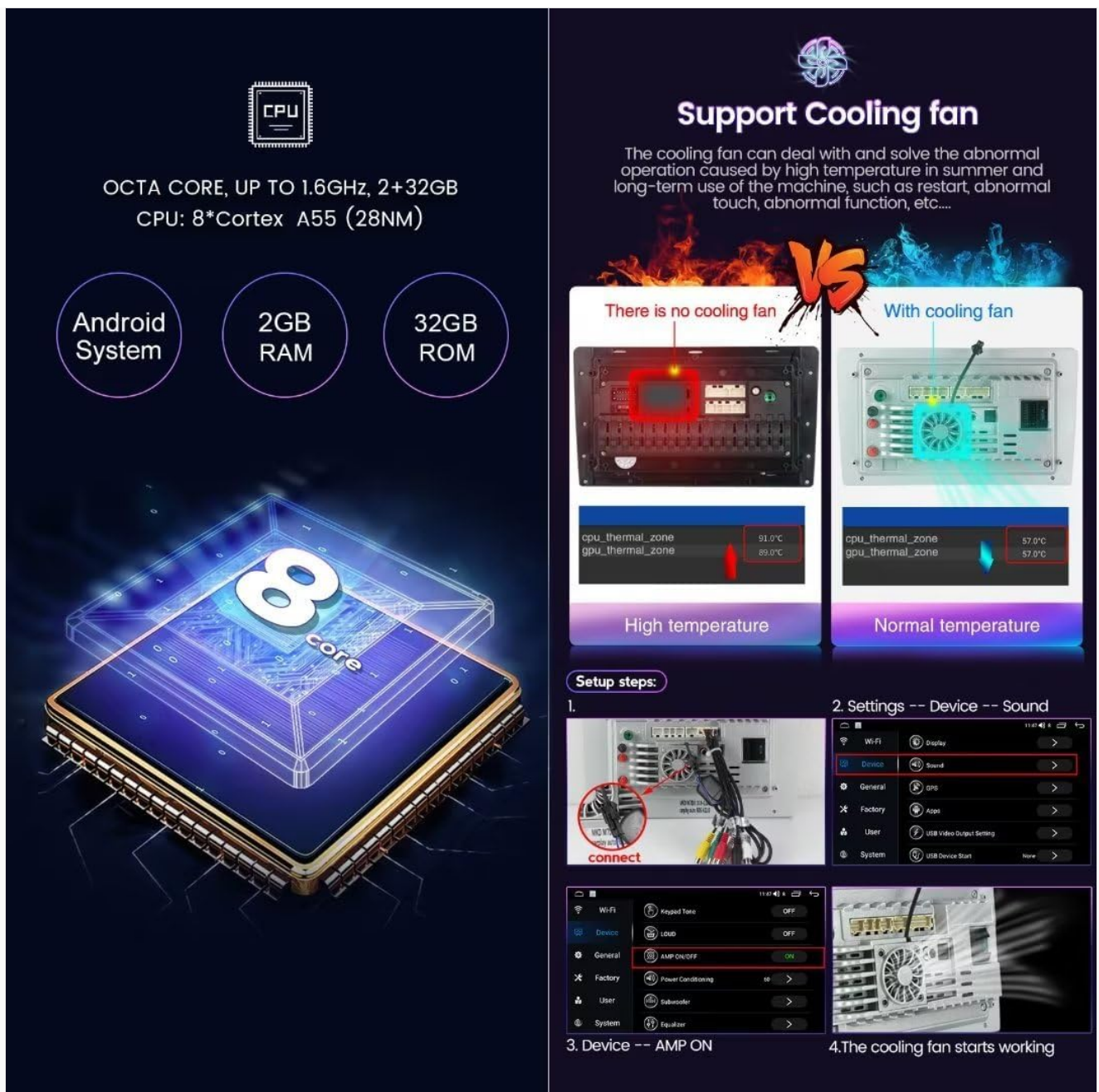


Figure 4.3: Main display interface showing navigation and application icons.

- **Multimedia Playback:** Play audio and video files from USB drives or streaming services. The unit supports various formats including APE, FLAC, WAV, MP3, WMA for audio and MKV, RMVB, AVI, MP4, MDV for video.
- **DSP Sound System:** The built-in DSP (Digital Signal Processor) enhances audio quality, providing a multi-dimensional surround sound experience.

5. MAINTENANCE

To ensure the longevity and optimal performance of your car stereo, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to improve performance and add new features. Follow the on-screen instructions for updates.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods.
- **Ventilation:** Ensure the unit's ventilation areas are not blocked to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your car stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue	Check power cable connections. Inspect vehicle fuses. Verify vehicle battery charge.
No sound output	Volume too low, incorrect audio source, speaker wiring issue	Increase volume. Select correct audio source. Check speaker connections.
GPS signal lost or inaccurate	GPS antenna not properly connected or obstructed	Ensure GPS antenna is securely connected and has a clear view of the sky.
CarPlay/Android Auto not connecting	Incorrect connection steps, phone compatibility, cable issue	Follow connection steps precisely. Ensure phone is compatible. Try a different USB cable for wired connection.
Touch screen unresponsive	Software glitch, temporary freeze	Restart the unit (turn vehicle ignition off and on). If issue persists, perform a factory reset (refer to settings menu).

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

7. SPECIFICATIONS

Feature	Description
System	Android 13 OS
CPU	8-Core A53 1.8GHz
Memory	2GB RAM, 32GB ROM
Display Size	9-inch IPS Touch Screen
Display Resolution	1280 x 720
Power Output	4*50W
Connectivity	Built-in 4G LTE, WiFi, Bluetooth 5.0, Wireless CarPlay, Wired Android Auto
Navigation	Built-in GPS navigation, Worldwide Map Type
Audio Formats	APE, FLAC, WAV, MP3, WMA, etc.
Video Formats	MKV, RMVB, AVI, MP4, MDV, etc.
Image Formats	PNG, JPEG, JPG, GIF, WBMP, BNP, etc.
Special Features	DSP Sound System, Steering Wheel Control Support
Mounting Type	Dashboard Mount
Voice Command	Buttons, Keyboard, Mouse, Touchscreen

8. WARRANTY INFORMATION

This MekedeTech Android Car Stereo GPS Head Unit comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Please retain your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact MekedeTech customer support through the following channels:

- **Online Support:** Visit the official MekedeTech website or Amazon store page for contact information.
- **Email:** Refer to your product packaging or warranty card for customer service email address.

When contacting support, please have your product model number (8-Core 2+32G) and purchase details ready.

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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