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MekedeTech 4-Core 1+32G

MekedeTech Android Car Radio Stereo User Manual

Model: 4-Core 1+32G

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

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage.
This unit is designed as a direct fit upgrade for Volkswagen VW Passat B6, B7, B8, CC, and Magotan models manufactured between 2011 and 2015.

Safety Information

- Always ensure the vehicle is parked safely with the engine off and parking brake engaged before performing any installation or maintenance.
- Disconnect the vehicle's battery negative terminal before starting installation to prevent electrical shorts.
- Consult a professional installer if you are unsure about any part of the installation process.
- Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

Package Contents

Please verify that all items are present in your package:

- MekedeTech Android Car Radio Stereo Head Unit
- Dash Kit (pre-installed or separate, specific to VW Passat models)
- Power Cable Harness
- RCA Cable Set
- Reversing Camera Cable
- USB Cables (x2)
- GPS Antenna

- User Manual (this document)

Setup and Installation

The MekedeTech Android Car Radio Stereo is designed for plug-and-play installation in compatible Volkswagen models. However, basic automotive electrical knowledge is recommended.

1. Preparation

1. Park your vehicle on a level surface and engage the parking brake.
2. Turn off the engine and remove the key from the ignition.
3. Disconnect the negative terminal of the car battery.
4. Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions on trim removal.

2. Wiring Connections

Connect the provided wiring harnesses to the corresponding ports on the new head unit and the vehicle's existing wiring. Ensure all connections are secure.

- **Power Cable:** Connect the main power harness to the vehicle's power connector.
- **RCA Cables:** Connect for external amplifiers, subwoofers, or auxiliary video inputs/outputs as needed.
- **Reversing Camera Cable:** Connect the camera input cable if installing a rearview camera.
- **USB Cables:** Route the USB extension cables to a convenient location (e.g., glove compartment) for future use with USB devices.
- **GPS Antenna:** Connect the GPS antenna and mount it in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **Radio Antenna:** Connect the vehicle's radio antenna.

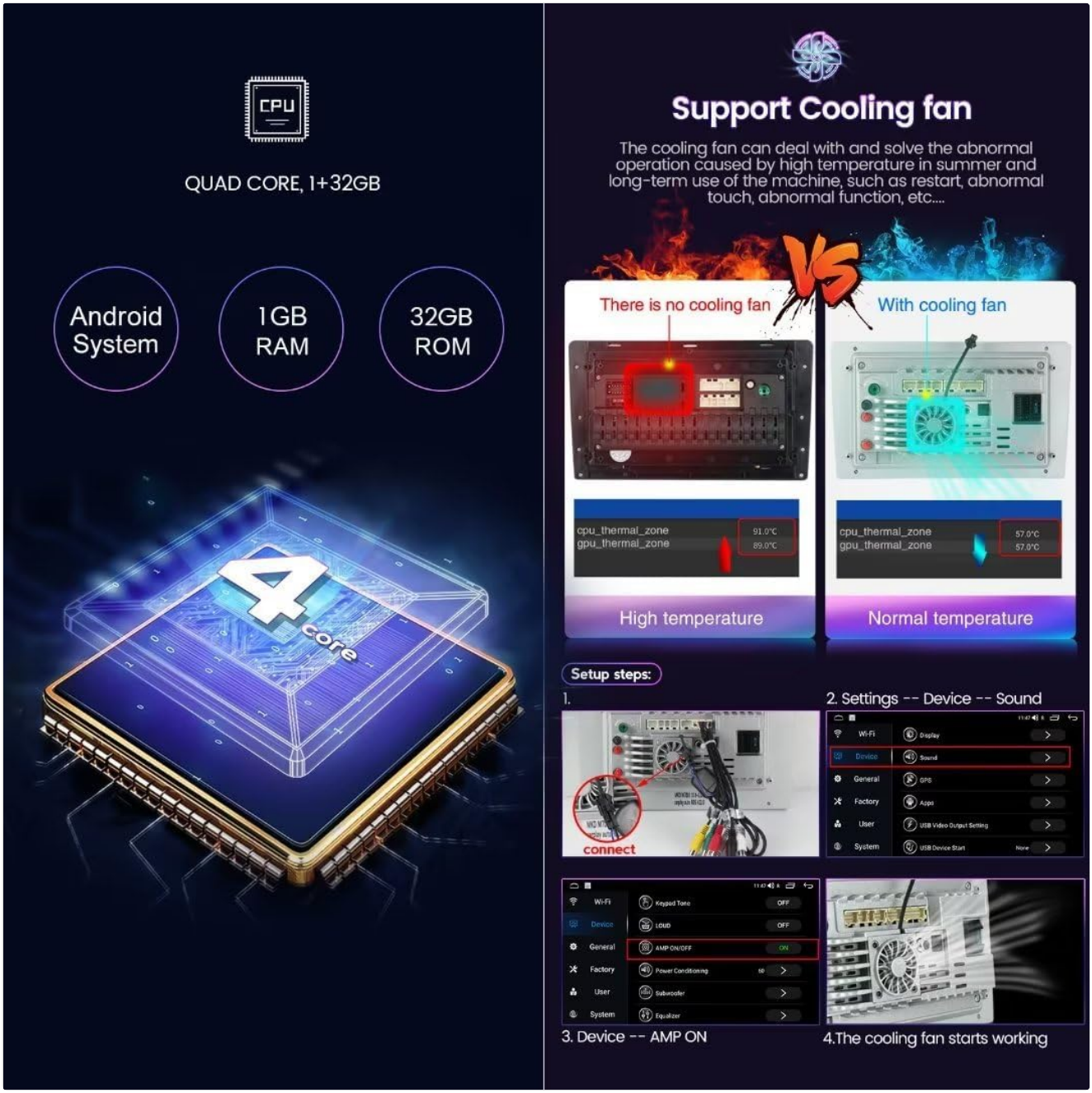


Image Description: This image illustrates the internal components of the head unit, highlighting the Quad-Core CPU, 1GB RAM, and 32GB ROM. It also shows the integrated cooling fan system designed to prevent overheating, with a comparison between a unit without a cooling fan (high temperature) and one with a cooling fan (normal temperature). Additionally, it provides a visual guide for initial setup steps, including connecting the cooling fan and accessing device settings for sound and amplifier control.

3. Unit Installation

1. Carefully slide the head unit into the dashboard opening, ensuring no wires are pinched.
2. Secure the unit using the original mounting brackets or screws.
3. Reconnect the vehicle's battery negative terminal.
4. Turn on the vehicle's ignition to test the unit.
5. Once confirmed working, reassemble the dashboard trim.



Image Description: This image displays a side-by-side comparison. The left panel shows the original dashboard of a Volkswagen Passat with its factory radio. The right panel shows the same dashboard after the MekedeTech Android Car Radio Stereo has been installed, demonstrating its integrated fit and larger screen display within the vehicle's interior.

Operating Instructions

Your MekedeTech Android Car Radio Stereo runs on Android OS, offering a wide range of functionalities.

1. Basic Interface and Navigation

The unit features a 9-inch IPS touch screen. Swipe and tap gestures are used for navigation. The main screen typically displays widgets for navigation, media playback, and quick access to applications.



Image Description: This image shows the main user interface of the MekedeTech Android Car Stereo. It features a split-screen view with a GPS navigation map on the upper right displaying a route, and a media player interface on the lower right showing music playback. The left side of the screen displays vehicle speed and a stylized road view. Physical buttons for power, reset, back, and home are visible on the left bezel.

2. Wireless CarPlay and Android Auto

The unit supports both wireless CarPlay (for iOS devices) and wired/wireless Android Auto (for Android devices).

- **For Wireless CarPlay (iOS):**
    a. Connect your iPhone to the head unit via Bluetooth.
    b. Open the "Car Link" application on the head unit.
    c. Wait for the connection to establish. CarPlay can also be initiated via a USB cable.
- **For Wireless Android Auto (Android):**
    a. Connect your Android phone to the head unit via Bluetooth.
    b. Open the "Car Link" application on the head unit.
    c. Wait for the connection to establish. Android Auto can also be initiated via a USB cable.

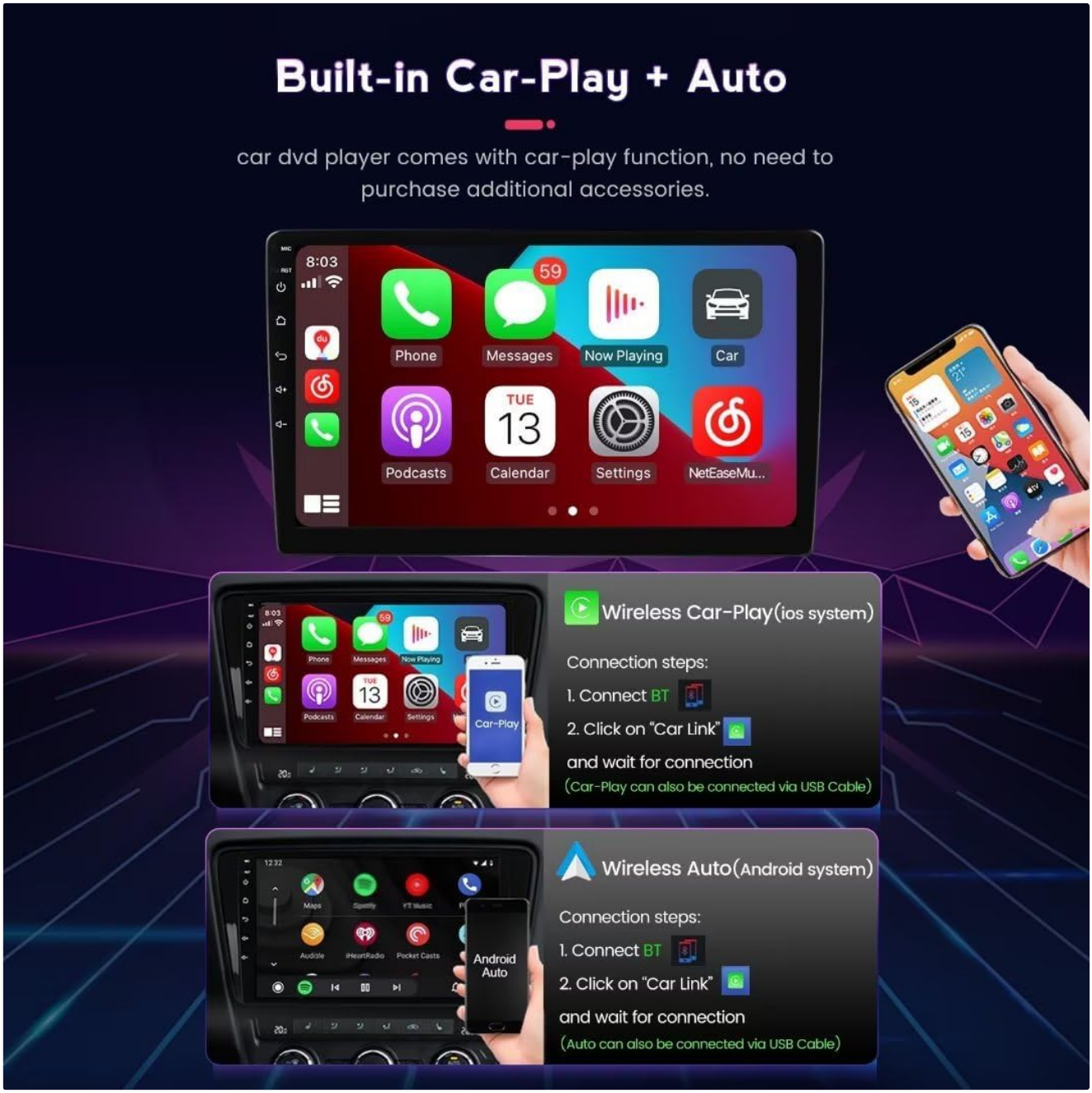


Image Description: This image illustrates the functionality of built-in Wireless CarPlay and Android Auto. It shows a smartphone screen mirroring to the head unit, displaying the CarPlay interface with icons for Phone, Messages, Music, and Navigation. Below, it details the connection steps for both Wireless CarPlay (iOS system) and Wireless Android Auto (Android system), emphasizing Bluetooth connection and using the "Car Link" application.

3. GPS Navigation

The unit includes a built-in GPS navigation system with support for various map applications. Ensure the GPS antenna is properly installed for optimal signal reception.

- Access navigation applications from the main menu.
- Supported map types include iGO, Navitel, Yandex, and Google Maps.
- The system provides real-time traffic conditions and accurate positioning.

4. Split Screen Functionality

The split-screen feature allows two applications to be displayed simultaneously, enhancing multitasking capabilities.

- To activate, open one application, then long-press the recent apps button or drag another compatible app to the side of the screen.

- Examples include running FM radio alongside a map, or playing music while viewing navigation.

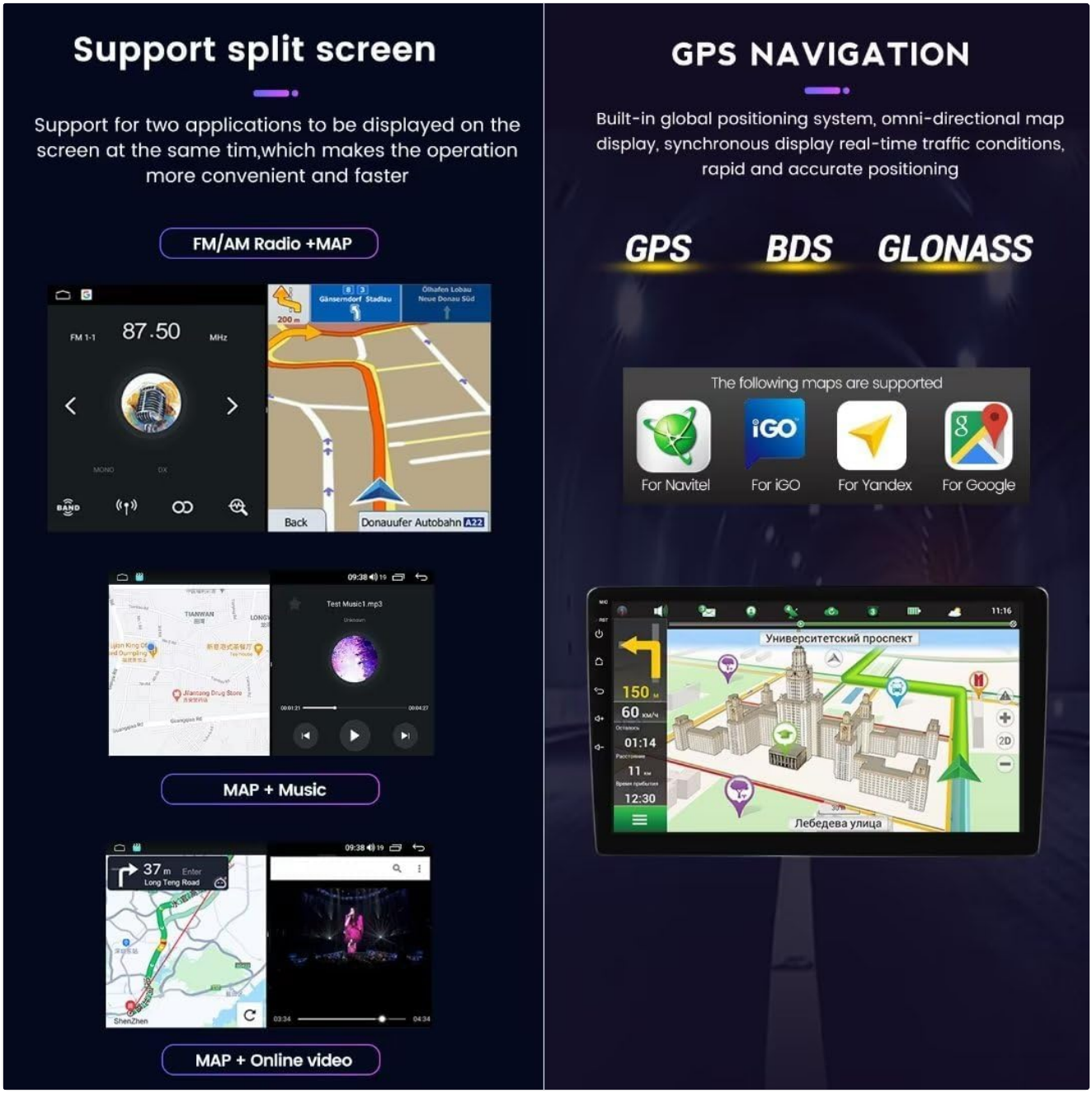


Image Description: This image showcases the split-screen capability and GPS navigation features. The top left shows the FM/AM radio interface alongside a map. The bottom left demonstrates a map with music playback. The right side highlights the GPS navigation system, indicating support for iGO, Navitel, Yandex, and Google Maps, with a detailed map view showing route information and current location.

5. Bluetooth 5.0

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

- Go to Bluetooth settings on the head unit and your phone.
- Pair your device. The unit supports Bluetooth 5.0 for stable connections.

6. Steering Wheel Control (SWC)

The unit retains original steering wheel control functions, allowing you to manage media and volume without taking your hands off the wheel.

- Access the SWC settings in the unit's menu to configure or remap buttons if necessary.

Maintenance

1. Cleaning the Unit

- Use a soft, dry cloth to wipe the screen and unit surface.
- For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- Do not spray cleaning liquids directly onto the unit.

2. Software Updates

Periodically check the manufacturer's website or contact support for available software updates. Updates can improve performance, add features, and fix bugs.

- Follow the specific instructions provided with any software update package.
- Ensure a stable power supply during the update process to prevent interruption.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure battery is charged.
No sound from speakers.	Volume too low, mute activated, speaker wiring issue, amplifier not connected.	Increase volume. Check mute status. Verify speaker wiring. Ensure external amplifier is powered and connected.
GPS signal is weak or inaccurate.	GPS antenna improperly placed or disconnected.	Ensure GPS antenna has a clear view of the sky and is securely connected.
CarPlay/Android Auto not connecting.	Bluetooth not paired, "Car Link" app not open, phone compatibility issue.	Ensure Bluetooth is on and paired. Open "Car Link" app. Try connecting with a USB cable. Check phone compatibility.
Touch screen unresponsive.	Temporary software glitch, unit overheating.	Restart the unit (use the reset button if available). Allow unit to cool down if overheating is suspected.

Specifications

- **System:** Android 13 OS
- **CPU:** 4-Core A53 1.7GHz
- **Memory:** 1GB RAM, 32GB ROM
- **Screen Size:** 9 inch IPS Touch Screen
- **Screen Resolution:** 1024x600
- **Power Output:** 4*50W
- **Connectivity:** Built-in WiFi, Bluetooth 5.0, USB (x2)
- **Navigation:** Built-in GPS, supports iGO, Navitel, Yandex, Google Maps
- **Features:** Wireless CarPlay, Wired/Wireless Android Auto, Steering Wheel Control, Split Screen, FM Radio, Rear View Camera Input, RCA Input/Output

- **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 Compatibility:** Volkswagen VW Passat B6 B7 B8 CC Magotan (2011-2015)

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.
The warranty does not cover damage caused by:

- Improper installation or unauthorized repairs.
- Accidents, misuse, abuse, or neglect.
- Natural disasters or acts of God.
- Cosmetic damage.

Please retain your proof of purchase for warranty claims.

Customer Support

If you encounter any issues or have questions not covered in this manual, please contact MekedeTech customer support.
For the most up-to-date support information, including contact details and FAQs, please visit the official MekedeTech store or website:
MekedeTech Store on Amazon
When contacting support, please have your product model (4-Core 1+32G) and purchase details ready.

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