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› MekedeTech Android Car Stereo User Manual

MekedeTech 8-Core 2+32G

MekedeTech Android Car Stereo User Manual

Model: 8-Core 2+32G

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android Car Stereo Head Unit, specifically designed for Volkswagen VW Caddy models from 2004 to 2010. This unit features a 10-inch touch screen, 4G LTE connectivity, wireless CarPlay/Android Auto, and AM/FM radio functionality. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended to prevent damage to the unit or vehicle.
- **Power Disconnection:** Always disconnect the vehicle's battery before performing any electrical work to avoid short circuits or electrical shock.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent fire hazards or malfunction.
- **Driving Safety:** Do not operate the unit's advanced features or watch videos while driving. Distracted driving can lead to accidents.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- MekedeTech Android Car Stereo Head Unit (10-inch)
- Vehicle-specific Frame Kit for Volkswagen VW Caddy (2004-2010)
- Plug-and-Play Wiring Harness
- GPS Antenna
- USB Cables
- User Manual (this document)
- Additional accessories (e.g., external microphone, RCA cables, 4G antenna - depending on specific package)

SETUP AND INSTALLATION

1. Pre-Installation Check

Before starting, ensure your vehicle is compatible with the unit (Volkswagen VW Caddy 2004-2010). Gather all necessary tools.

2. Vehicle Preparation

- Disconnect the negative terminal of the vehicle's battery.
- Carefully remove the factory radio and trim panels. Refer to your vehicle's service manual for specific instructions.



OCTA CORE, UP TO 1.6GHz, 2+32GB
CPU: 8*Cortex A55 (28NM)

Android System 2GB RAM 32GB 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....

VS

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:

1. 
connect

2. Settings -- Device -- Sound



3. Device -- AMP ON



4. The cooling fan starts working

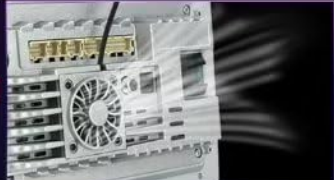


Image: Comparison of the car dashboard before and after the installation of the MekedeTech Android Car Stereo. The original radio is replaced by the new 10-inch display.

3. Wiring Connections

- Connect the provided plug-and-play wiring harness to the vehicle's factory harness.

- Connect the GPS antenna to the designated port on the head unit. Position the antenna in a location with a clear view of the sky (e.g., dashboard corner).
- Connect any additional accessories such as USB cables, external microphone, or reverse camera inputs.
- If using 4G LTE, insert a compatible SIM card into the designated slot on the unit.

Built-in Car-Play + Auto

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

The diagram illustrates the internal components of the head unit, including the 8-core CPU, RAM, ROM, and cooling fan. It also shows the basic setup steps for connecting the unit to an iPhone or an Android phone.

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:

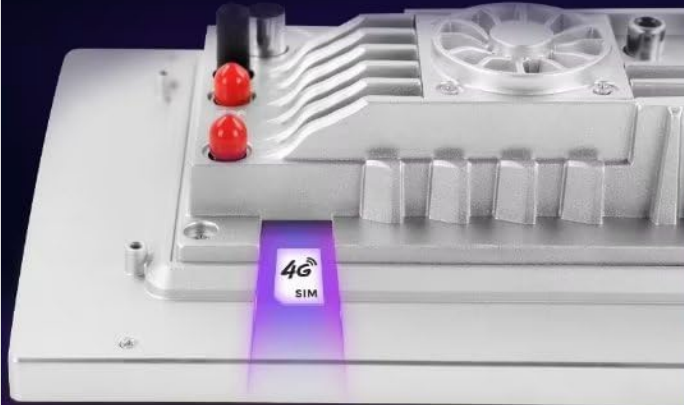
1. Connect BT
2. Click on "Car Link"

and wait for connection
(Auto can also be connected via USB Cable)

Image: Diagram showing the internal components of the head unit, including the 8-core CPU, RAM, ROM, and cooling fan. It also illustrates basic setup steps for connecting the unit.

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!

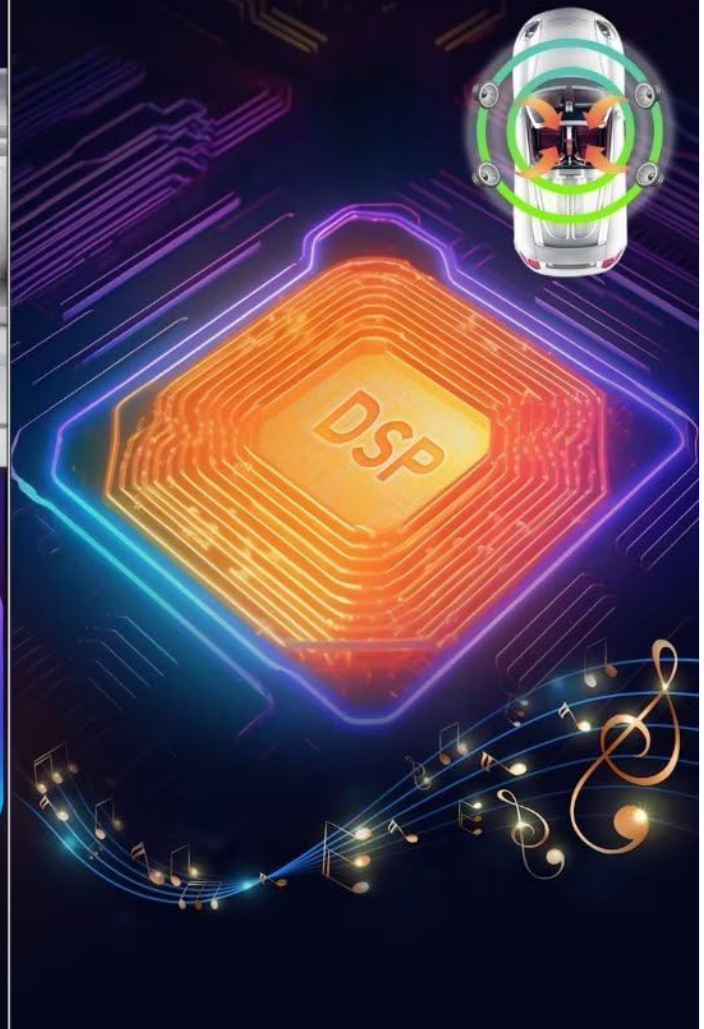


Image: Illustration highlighting the built-in 4G LTE and WiFi capabilities, including the SIM card slot location. It also depicts the Digital Sound Processor (DSP) for enhanced audio quality.

4. Mounting the Unit

- Secure the head unit into the vehicle's dashboard using the provided frame kit and mounting brackets.
- Ensure all cables are neatly tucked away and not pinched.

5. Initial Power On

- Reconnect the vehicle's battery.
- Turn on the vehicle's ignition. The unit should power on and display the boot screen.
- Follow any on-screen prompts for initial setup, such as language selection and time zone.

OPERATING INSTRUCTIONS

1. User Interface Overview

The 10-inch IPS touch screen provides access to all functions. The main screen typically displays navigation, media playback, and quick access icons.



Image: The main display of the MekedeTech Android Car Stereo showing a navigation map and media playback controls at the bottom.

2. Navigation

- The unit comes with built-in GPS navigation and maps. Tap the "Navigation" icon on the home screen to access.
- Enter your destination using the on-screen keyboard.
- The system supports various navigation applications downloadable from the app store.

3. Audio and Media Playback

- **AM/FM Radio:** Select the "Radio" application to tune into AM or FM stations. Use the scan function to find available stations.
- **Media Player:** Play audio (APE/FLAC/WAV/MP3/WMA) and video (MKV/RMVB/AVI/MP4/MDV) files from connected USB devices or internal storage.
- **Bluetooth Audio:** Stream audio wirelessly from your paired smartphone.
- **DSP Sound System:** Access the Digital Sound Processor settings to customize audio output, equalizer, and sound effects.

4. Wireless CarPlay and Android Auto

The unit supports wireless CarPlay (for iOS devices) and Android Auto (for Android devices), allowing seamless integration of your smartphone's features.



Image: The car stereo screen showing the Apple CarPlay interface with various app icons like Phone, Music, Maps, and Messages.

- **Connection Steps (Wireless):**

1. Ensure Bluetooth is enabled on your smartphone and the head unit.
2. Pair your phone with the head unit via Bluetooth.
3. Once paired, select the "Car Link" or "CarPlay/Android Auto" application on the head unit.
4. Follow the on-screen prompts to establish the wireless connection.

- **Connection Steps (Wired - if wireless fails or preferred):**

1. Connect your smartphone to the unit using a USB cable.
2. The system should automatically detect and launch CarPlay or Android Auto.

5. 4G LTE and Wi-Fi Connectivity

- **4G LTE:** If a SIM card is inserted, the unit will automatically connect to the 4G LTE network for internet access.
- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your smartphone) via the Wi-Fi settings menu to access online features and download applications.

6. Steering Wheel Controls

The unit supports retaining factory steering wheel controls. This allows you to easily switch songs, channels, and adjust volume without taking your hands off the wheel. Configuration may be required in the unit's settings menu.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit exterior. 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 via the unit's settings menu (requires internet connection). Updates can improve performance and add new features.
- **Cooling System:** The unit features a cooling fan to manage temperature. Ensure the vents are not obstructed to maintain optimal performance and longevity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery disconnected.	Check wiring harness connections. Inspect vehicle fuses. Ensure battery is connected.
No sound from speakers.	Volume too low, mute enabled, speaker wiring issue, incorrect audio output settings.	Increase volume. Check mute status. Verify speaker connections. Adjust audio settings in DSP.
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly placed, antenna connection loose.	Relocate GPS antenna to a clear area (e.g., dashboard). Ensure antenna is securely connected.
Wireless CarPlay/Android Auto not connecting.	Bluetooth not enabled, phone not paired, "Car Link" app not selected, software glitch.	Ensure Bluetooth is on for both devices. Re-pair phone. Select "Car Link" app. Restart unit and phone. Try wired connection.
Touch screen unresponsive.	Temporary software issue, extreme temperature.	Restart the unit. Allow unit to reach normal operating temperature.

SPECIFICATIONS

Feature	Detail
System	Android 12 OS
CPU	8-Core A53 1.8GHz
Memory	2GB RAM, 32GB ROM

Feature	Detail
Display Size	10 inch IPS Touch Screen
Screen Resolution	1280x720
Power Output	4*50W
Connectivity	Built-in 4G LTE, Wi-Fi Module, Bluetooth
Navigation	Built-in GPS navigation and Maps (Worldwide)
Smartphone Integration	Wireless CarPlay, Wireless Android Auto
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.
Special Features	Steering Wheel Control Support, Built-in DSP Sound System

WARRANTY INFORMATION

MekedeTech products are covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of your warranty may vary based on your region and point of purchase. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please refer to the warranty card included with your product or visit the official MekedeTech website.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your MekedeTech Android Car Stereo, please contact our customer support team. Before contacting support, please review the troubleshooting section of this manual.

- **Online Support:** Visit the official MekedeTech website for FAQs, support articles, and contact forms.
- **Email Support:** Refer to your product packaging or the official website for the customer support email address.
- **Purchase Platform Support:** For issues related to your order or delivery, please contact the customer service of the platform where you purchased the product.

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

Open the live page

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