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› MekedeTech Android Car Stereo Head Unit User Manual for VW Golf 7 MK7 (2013-2018), 8-Core 2+32G

MekedeTech 8-Core 2+32G

MekedeTech Android Car Stereo Head Unit User Manual

For VW Golf 7 MK7 (2013-2018) - Model: 8-Core 2+32G

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android Car Stereo Head Unit. This unit is specifically designed for the VW Golf 7 MK7 models from 2013 to 2018, offering an enhanced in-car entertainment and navigation experience.

The system features an Android 12 OS, an 8-Core A53 1.8GHz CPU, 2GB RAM, and 32GB ROM. It supports steering wheel controls, built-in 4G LTE and WiFi, GPS navigation, and a 10-inch IPS touch screen with 1280*720 resolution. Enjoy a power output of 4*50W and support for various audio and video formats.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present:

- MekedeTech Android Car Stereo Head Unit
- Frame kit for VW Golf 7 MK7
- Plug and play wiring harness

3. SETUP AND INSTALLATION

The installation process is designed to be plug-and-play, minimizing the need for wire splicing. The included frame kit and wiring harness are tailored for a direct fit in your VW Golf 7 MK7 (2013-2018).

3.1 Pre-Installation Check

- Ensure the vehicle's ignition is off and the battery is disconnected before starting.
- Confirm all package contents are present and undamaged.

3.2 Installation Steps

1. Carefully remove the factory radio unit from your VW Golf 7 MK7. Refer to your vehicle's service manual for specific removal instructions.
2. Connect the provided plug-and-play wiring harness to the vehicle's existing wiring. Ensure all connections are secure.
3. Attach the MekedeTech Android Car Stereo Head Unit to the new frame kit.
4. Connect the wiring harness to the back of the new head unit.
5. Carefully slide the assembled unit into the dashboard opening until it clicks into place.
6. Reconnect the vehicle battery and turn on the ignition to test the unit.



Image: Visual comparison of the car dashboard before and after the installation of the MekedeTech Android Car Stereo. The 'Before installation' image shows the original factory radio, while the 'After installation' image displays the new 10-inch touch screen unit seamlessly integrated.

3.3 Cooling Fan Setup

The unit includes a cooling fan to manage operating temperatures. Follow these steps to ensure proper cooling fan operation:

1. Connect the cooling fan cable to the designated port on the head unit.
2. Access the system settings on the head unit: **Settings > Device > Sound**.
3. Navigate to **Device > AMP ON**.
4. The cooling fan should activate, indicated by a change in temperature readings from 'High temperature' to 'Normal temperature' within the system diagnostics.

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: This diagram illustrates the cooling fan support system, highlighting how it prevents overheating. It also details the OCTA CORE CPU (up to 1.6GHz, 2+32GB, CPU: 8*Cortex A55 (28NM)) and provides a visual guide for accessing setup steps within the device's settings menu to activate the cooling fan.

4. OPERATING INSTRUCTIONS

4.1 Wireless CarPlay and Android Auto

The head unit features built-in wireless CarPlay and Android Auto, allowing seamless integration with your smartphone without the need for a wired connection.

4.1.1 Wireless CarPlay (iOS System) Connection Steps:

1. Enable Bluetooth on your iPhone.
2. On the head unit, open the 'Car Link' application.
3. Connect your iPhone to the head unit via Bluetooth.
4. Wait for the connection to establish. CarPlay can also be connected via a USB cable if preferred.

4.1.2 Wireless Android Auto (Android System) Connection Steps:

1. Enable Bluetooth on your Android phone.
2. On the head unit, open the 'Car Link' application.
3. Connect your Android phone to the head unit via Bluetooth.
4. Wait for the connection to establish. Android Auto can also be connected via a USB cable if preferred.

CPU

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

Android System 2GB RAM 32GB ROM

8 core

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: This image displays the user interface for built-in wireless CarPlay and Android Auto. It shows the main screen with various app icons and detailed connection steps for both iOS (CarPlay) and Android (Android Auto) devices, emphasizing the wireless capability.

4.2 4G LTE and WiFi Connectivity

The head unit supports 4G LTE connectivity and has a built-in WiFi module for internet access.

- **4G LTE:** Insert a compatible SIM card into the designated 4G SIM card slot to access cellular data. There are two SIM card slots: one on the back of the main unit and one on the RCA cable.
- **WiFi:** Connect to a WiFi hotspot for internet access. This allows you to download applications and browse online content.

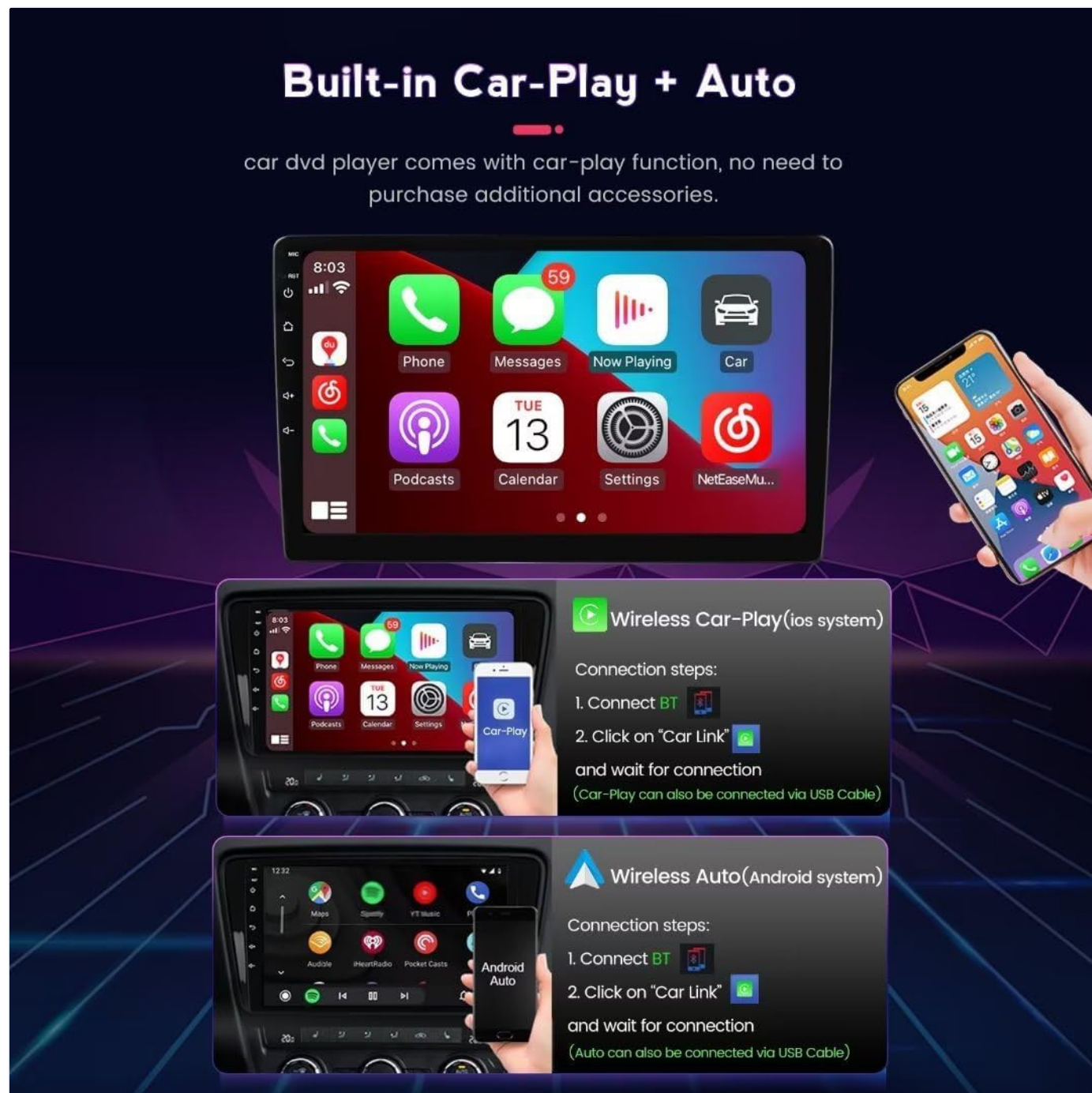


Image: This diagram illustrates the built-in 4G LTE and WiFi capabilities, showing the location of the 4G SIM card slot (both on the unit and on the RCA cable). It also highlights the DSP (Digital Sound Processor) feature, which enhances audio quality with multi-dimensional surround sound effects.

4.3 DSP Sound System

The integrated DSP (Digital Sound Processor) provides enhanced audio quality, offering multi-dimensional surround sound effects for an improved listening experience.

4.4 GPS Navigation

The unit comes with built-in GPS navigation and supports worldwide maps. Ensure the GPS antenna is properly connected for optimal signal reception.

4.5 AM/FM Radio

Access the AM/FM radio function through the main interface. Use the touch screen to scan for stations, save presets, and adjust volume.

4.6 Steering Wheel Controls

The unit retains factory steering wheel controls, allowing you to easily switch songs, channels, and adjust volume without taking your hands off the wheel. Configuration may be required in the system settings.

5. MAINTENANCE

To ensure the longevity and optimal performance of your MekedeTech Android Car Stereo, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that could damage the display or finish.
- **Software Updates:** Periodically check for system software updates to ensure you have the latest features and security patches. Updates can typically be performed via WiFi.
- **Temperature Control:** The built-in cooling fan helps manage internal temperatures. Ensure the fan is not obstructed and operates correctly, especially during prolonged use or in hot climates.
- **Power Management:** Avoid frequent power cycles or sudden disconnections. Always turn off the vehicle's ignition before disconnecting the battery or performing any electrical work.

6. TROUBLESHOOTING

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

- **No Power:**
 - Check all power connections and fuses.
 - Ensure the vehicle battery is properly connected and charged.
- **No Sound:**
 - Verify speaker connections.
 - Check volume settings on the unit and ensure it's not muted.
 - Confirm DSP settings are correctly configured.
- **Touch Screen Unresponsive:**
 - Restart the unit by turning off the vehicle's ignition and restarting.
 - Ensure the screen is clean and free of debris.
- **GPS Signal Issues:**
 - Ensure the GPS antenna is securely connected and has a clear view of the sky.
 - Move the vehicle to an open area away from tall buildings or dense foliage.

- **CarPlay/Android Auto Not Connecting:**
 - Ensure Bluetooth is enabled on both the phone and the head unit.
 - Verify the 'Car Link' app is open on the head unit.
 - Try connecting with a USB cable to rule out wireless issues.
 - Restart both the phone and the head unit.

If problems persist after attempting these solutions, please contact MekedeTech customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	MekedeTech
Model	8-Core 2+32G
Operating System	Android 12 OS
CPU	8-Core A53 1.8GHz (8*Cortex A55 (28NM))
Memory (RAM)	2GB
Storage (ROM)	32GB
Screen Size	10 Inches
Screen Resolution	1280*720 IPS Touch Screen
Power Output	4*50W
Connectivity	4G LTE, WiFi, Bluetooth
Special Features	Wireless CarPlay, Wireless Android Auto, DSP, GPS Navigation, AM/FM Radio, Steering Wheel Control Support
Compatible Vehicle Type	VW Golf 7 MK7 (2013-2018)
Included Components	Frame kit, Plug and play harness

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This MekedeTech Android Car Stereo 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.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact MekedeTech customer support. Refer to your purchase documentation for specific contact details or visit the official MekedeTech website.

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