

MekedeTech 4-Core 2+32G

MekedeTech Android Touch Screen Radio Upgrade for VW Golf 7 MK7 (2013-2018) - User Manual

Brand: MekedeTech | Model: 4-Core 2+32G

1. PRODUCT OVERVIEW

This MekedeTech Android car radio stereo is specifically designed for the VW Golf 7 MK7 Radio Upgrade models from 2013-2018. It features a 10-inch IPS touch screen with a high resolution of 1024*600, supporting 1080P video playback. The system runs on Android 12 OS with a 4-Core A53 1.7GHz CPU, 2GB RAM, and 32GB ROM.

Key features include built-in wireless CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, music, and calls without wired connections. It also supports wheel control, FM radio, Bluetooth 5.0 for hands-free calls and music, dual rear USB port input, and backup camera functionality. The package includes a frame kit and a plug-and-play harness, retaining factory steering wheel controls for easy installation and operation.

2. WHAT'S IN THE BOX

- Frame kit
- Plug and play harness
- Dashboard mount

3. SPECIFICATIONS

Feature	Detail
Brand	MekedeTech
Vehicle Service Type	Car
Screen Size	10 Inches
Special Feature	Bluetooth, Touchscreen, Wireless Android Auto, Wireless CarPlay

Connectivity Technology	Wireless
Map Type	Worldwide
Operating System	Android
Memory Storage Capacity	32 GB
Supported Satellite Navigation System	GPS
Connectivity Protocol	Bluetooth, Ethernet, Wi-Fi

4. SETUP AND INSTALLATION

4.1 Removing the Original Car Radio

Carefully use a plastic pry tool to remove the trim around the original car radio. Once the trim is removed, unscrew the mounting screws holding the original radio in place. Gently pull out the old radio and disconnect all wiring harnesses.



Image: Comparison of the car dashboard before and after installing the new Android head unit.

4.2 Initial Power-On Test

Before fully installing the new head unit, perform a power-on test. Connect the compatible power cord to the new head unit. If your vehicle model requires a CANbus, connect it as per the vehicle model. If the device fails to power on, ensure the CANbus is correctly connected. Connect the power cord to the original vehicle's harness. Power on the device to confirm it boots up normally. If it does not power on, contact the after-sales team for assistance.

Video: Demonstrates the initial power-on test and basic wiring connections for the head unit.

4.3 Connecting Cables

Connect the RCA cables, USB cables (Cable 1 and Cable 2), GPS antenna, and radio antenna to their respective ports on the head unit. Ensure all connections are secure.

4.4 Rearview Camera Wiring

Connect the rearview camera input cable to the head unit. For the trigger cable, locate the third wire from the right on the

power cord (generally brown or pink). Gently peel off the rubber outer layer of this wire without breaking the metal wires inside. Connect the red wire at the other end of the extension cord to this peeled wire on the power cord. Wrap the bound wires with electrical tape to avoid accidental contact. The power cable for the camera should be connected to a 12V power source, typically the reverse light circuit.



Image: Detailed diagram illustrating the rearview camera wiring connections.

4.5 Final Installation

Once all connections are made and tested, carefully slide the head unit into the dashboard opening. Secure it with screws and reattach the trim. Perform a final power-on test to ensure all functions are working correctly.

Video: Provides a comprehensive guide for the installation process of the car radio.

5. OPERATING INSTRUCTIONS

5.1 Bluetooth Connectivity

Access the Bluetooth application from the main menu. Turn on Bluetooth and pair your smartphone with the head unit. Once connected, you can make hands-free calls and stream audio directly to the car's speakers.

Video: Demonstrates Bluetooth pairing and hands-free calling functionality.

5.2 Wireless CarPlay and Android Auto

The head unit supports built-in wireless CarPlay and Android Auto. Connect your phone via Bluetooth to enable these features. This allows you to access navigation, music, messages, and other compatible apps directly on the car's display.

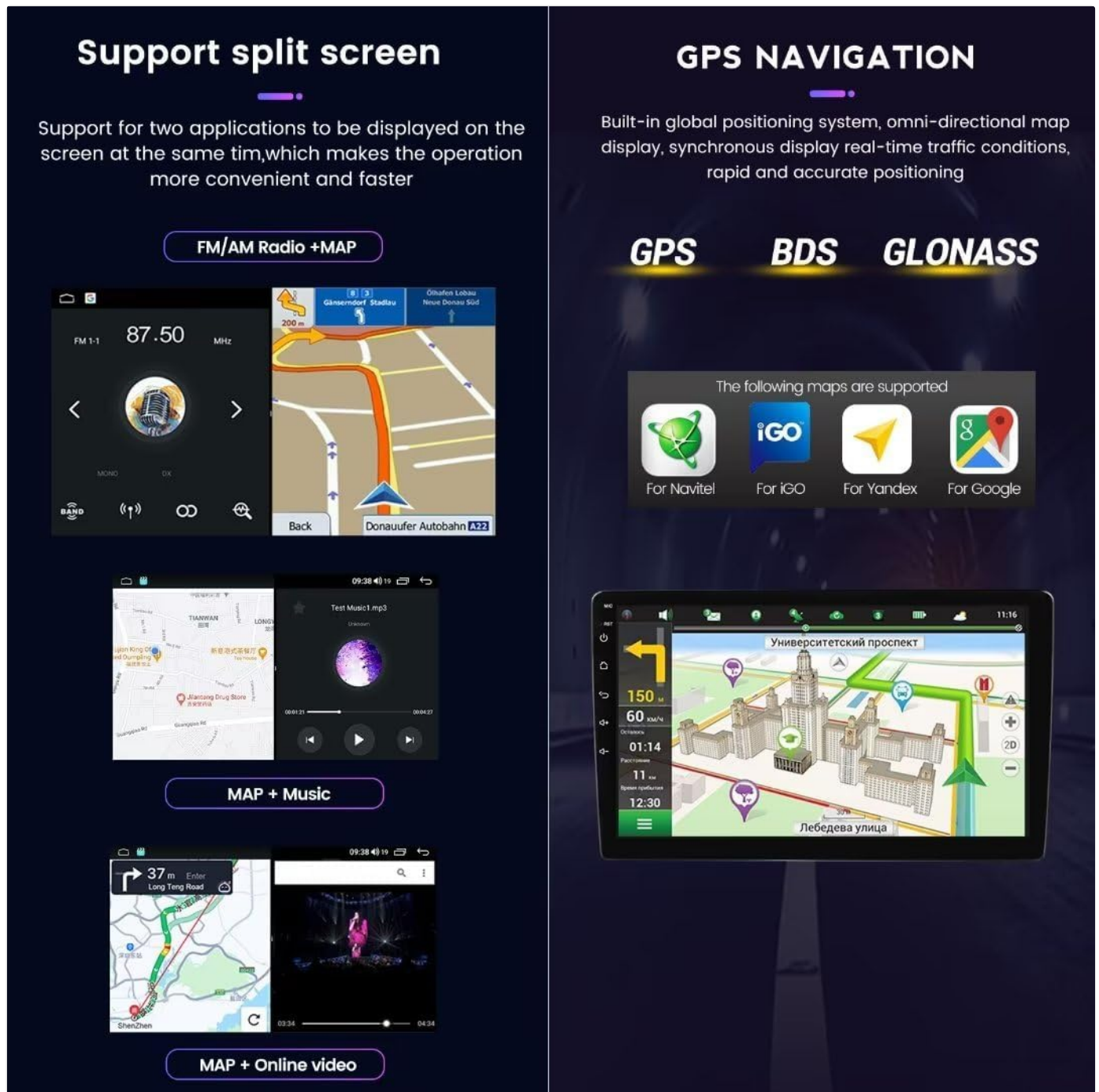


Image: Display of Wireless CarPlay and Android Auto features on the head unit.

5.3 Radio Functionality

Navigate to the Radio application to access FM radio. You can manually tune to stations or use the auto-scan feature to find available frequencies. The unit supports various radio settings and equalizer adjustments for optimal audio experience.

5.4 Split Screen Function

The split-screen function allows you to run two applications simultaneously on the display, such as navigation and music playback. This enhances convenience and multitasking while driving.



QUAD CORE, 2+32GB

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....

There is no cooling fan



cpu_thermal_zone91.0°C

gpu_thermal_zone89.0°C

High temperature

With cooling fan



cpu_thermal_zone57.0°C

gpu_thermal_zone57.0°C

Normal temperature

Setup steps:

1.



2. Settings -- Device -- Sound



3. Device -- AMP ON



4.The cooling fan starts working

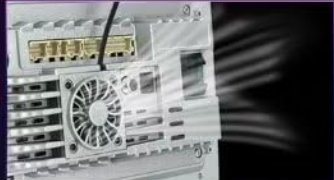


Image: Split-screen view demonstrating simultaneous use of navigation and music applications.

5.5 GPS Navigation

The head unit includes built-in GPS navigation with support for various map applications. It provides real-time traffic conditions and precise positioning for easy travel. Ensure the GPS antenna is properly connected for optimal performance.

5.6 Steering Wheel Control

The unit retains factory steering wheel controls, allowing you to easily switch songs, channels, adjust volume, and manage calls without taking your hands off the wheel. This feature enhances driving safety and convenience.

5.7 Air Conditioning Display

For compatible vehicle models, the head unit can display air conditioning information and allow control of climate settings directly from the touch screen.

6. MAINTENANCE

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

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates to ensure you have the latest features and bug fixes. Connect the unit to Wi-Fi and navigate to system settings for updates.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent functionality.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures for prolonged periods.

7. TROUBLESHOOTING

If you encounter any issues, please refer to the following common troubleshooting tips:

- **Device Not Turning On/Off:** Ensure all power connections are secure. If your vehicle requires a CANbus, verify it is correctly connected and configured in the protocol settings (Path: Settings-Factory Mode (Password)-1.Vehicle-Vehicle Type-Simple-VW-Car Model-Restart Unit).
- **Draining Battery:** Check all wiring for proper connection to avoid constant power draw. Ensure the unit powers off completely when the vehicle is off.
- **Camera Not Working (Snow/Grid Display):** Fix this via format settings. Long press the screen for 5 seconds and select image format AHD720P25. Alternatively, set via Path: Settings-Factory Settings (Password)-Camera-RVC Channel Config-AHD.
- **Steering Wheel Control Not Working:** Ensure the CANbus is correctly connected and the protocol settings are configured for your specific VW model. Perform the steering wheel learning process in the settings.
- **No Sound from Speakers:** Check speaker wiring connections. Verify the sound field settings in the EQ menu are correctly configured.

If issues persist, please contact our after-sales support team for further assistance.

8. WARRANTY AND SUPPORT

This MekedeTech Android Touch Screen comes with a **1-Year Warranty** from the date of purchase. The warranty covers manufacturing defects and malfunctions under normal use conditions.

For technical support, troubleshooting, or warranty claims, please contact the MekedeTech customer service team. Provide your product model number and purchase details for efficient service.

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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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