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MekedeTech 8-Core 4+64G

MekedeTech Android Car Stereo GPS Navigation System User Manual

For Toyota Auris (2006-2011) - Model: 8-Core 4+64G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android Car Stereo GPS Navigation System. This unit is designed for Toyota Auris models manufactured between 2006 and 2011, offering an enhanced in-car entertainment and navigation experience.

2. PRODUCT OVERVIEW

The MekedeTech Android Car Stereo is an advanced head unit featuring an Android 13 operating system, an 8-Core A53 1.8GHz CPU, 4GB RAM, and 64GB ROM. It includes a 9-inch IPS touch screen with a 1280x720 resolution, built-in GPS navigation, 4G LTE connectivity, Wi-Fi, Bluetooth 5.0, and supports wireless CarPlay and Android Auto. The unit also integrates with original steering wheel controls.



Image: The MekedeTech Android Car Stereo seamlessly integrated into a Toyota Auris dashboard, displaying its navigation interface.



OCTA CORE, UP TO 1.6GHz, 4+64GB
CPU: 8*Cortex A55 (28NM)

Android
System

4GB
RAM

64GB
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_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

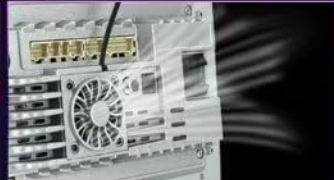


Image: An overview of the system's core components, including the 8-core CPU, 4GB RAM, 64GB ROM, Android system, and the integrated cooling fan for optimal performance.

3. SETUP AND INSTALLATION

This head unit is designed for a plug-and-play installation in Toyota Auris models from 2006 to 2011. All necessary accessories for installation, including the dash kit, power cable, RCA cable, reversing camera cable, and USB cables, are provided.

3.1. Pre-Installation Checklist

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Verify all included accessories match the packing list.
- Familiarize yourself with your vehicle's dashboard removal process.

3.2. Installation Steps

1. Carefully remove the original car stereo and dashboard trim.
2. Connect the provided power cable harness to the vehicle's wiring.
3. Connect the RCA, USB, and reversing camera cables as needed.
4. If using a 4G SIM card, insert it into the designated slot (refer to section 4.3).
5. Mount the new MekedeTech head unit into the dashboard using the provided dash kit.
6. Reconnect the vehicle battery and test the unit before fully reassembling the dashboard.

3.3. Cooling Fan Setup

The unit supports an optional cooling fan to manage internal temperatures, especially during prolonged use or in hot climates. To activate the cooling fan:

1. Connect the cooling fan cable to the designated port on the unit.
2. Navigate to **Settings > Device > Sound**.
3. Select **Device > AMP ON**.
4. The cooling fan will activate automatically when needed.

4. OPERATING INSTRUCTIONS

4.1. Wireless CarPlay and Android Auto

The unit features built-in wireless CarPlay (for iOS devices) and wired/wireless Android Auto (for Android devices).

Built-in Car-Play + Auto

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

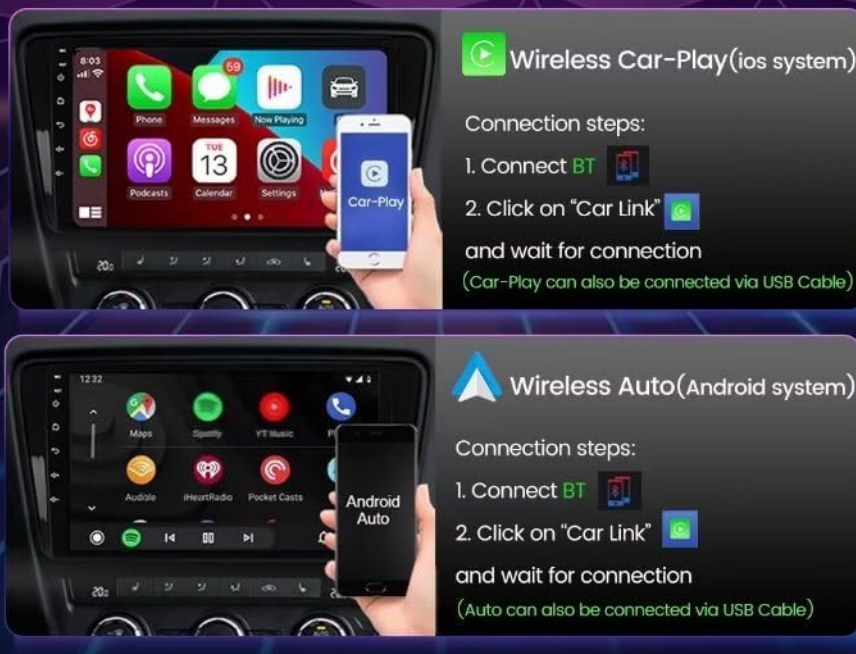


Image: Visual guide for connecting to Wireless CarPlay (iOS) and Wireless Android Auto (Android).

Wireless CarPlay (iOS System) Connection Steps:

1. On the head unit, open the CarPlay application.
2. On your iPhone, go to **Settings** > **Bluetooth** and connect to the head unit's Bluetooth.
3. Once connected via Bluetooth, select "Car Link" on the head unit and wait for the connection to establish.
4. CarPlay can also be connected via a USB cable.

Wireless Android Auto (Android System) Connection Steps:

1. On the head unit, open the Android Auto application.
2. On your Android phone, go to **Settings** > **Bluetooth** and connect to the head unit's Bluetooth.
3. Once connected via Bluetooth, select "Car Link" on the head unit and wait for the connection to establish.
4. Android Auto can also be connected via a USB cable.

4.2. GPS Navigation

The unit comes with built-in GPS navigation. Access the navigation application from the main menu. Ensure the GPS antenna is properly installed for optimal signal reception.

4.3. 4G LTE and Wi-Fi Connectivity

The head unit supports 4G LTE and Wi-Fi for internet access.

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: Details on the built-in 4G LTE functionality with SIM card slots and the DSP processor for enhanced audio.

4G LTE:

Insert a 4G SIM card into one of the two available SIM card slots (one on the back of the main unit, one on the RCA cable) to access cellular data. This allows for internet connectivity without relying on a Wi-Fi hotspot.

Wi-Fi:

Connect to available Wi-Fi networks by navigating to **Settings > Network & Internet > Wi-Fi**. Select your desired network and enter the password if required.

4.4. Bluetooth 5.0

Bluetooth 5.0 provides stable connections for hands-free calling and audio streaming. Pair your mobile device via the Bluetooth settings menu on the head unit.

4.5. Multimedia Playback

The unit supports various audio and video formats, including APE, FLAC, WAV, MP3, WMA for audio, and MKV, RMVB, AVI, MP4, MDV for video. Playback can be done via USB, internal storage, or streaming services.

4.6. Steering Wheel Control

The system retains the original steering wheel control functions, allowing you to adjust volume, switch songs/channels, and answer calls without taking your hands off the steering wheel. This feature enhances driving safety and convenience.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Software Updates:** Periodically check for system updates via the settings menu to ensure optimal performance and access to new features.
- **General Care:** Keep the unit free from dust and extreme temperatures. Avoid spilling liquids on the device.

6. TROUBLESHOOTING

- **No Power:** Check all power connections and vehicle fuses. Ensure the battery is properly connected.
- **No Sound:** Verify speaker connections. Check volume levels and audio output settings. Ensure the DSP is configured correctly.
- **GPS Signal Loss:** Ensure the GPS antenna is securely connected and has a clear view of the sky.
- **CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on both devices and paired. Try connecting with a USB cable. Restart both the head unit and your phone.
- **Touch Screen Unresponsive:** Perform a soft reset of the unit (refer to the device settings for reset options). If the issue persists, contact support.
- **Overheating:** Ensure the cooling fan is properly installed and functioning. Check for any obstructions around the unit's vents.

7. SPECIFICATIONS

Feature	Specification
Brand	MekedeTech
Vehicle Service Type	Car (Toyota Auris 2006-2011)
Screen Size	9 Inches
Special Features	4G LTE, Bluetooth, Touchscreen, Wireless Android Auto, Wireless CarPlay
Connectivity Technology	Wireless (Bluetooth, Cellular, Wi-Fi)
Map Type	Worldwide

Audio Output Mode	Stereo
Resolution	1280 x 720
Operating System	Android 13
Memory Storage Capacity	64 GB ROM
RAM	4 GB
CPU	8-Core A53 1.8GHz
Touch Screen Type	Capacitive
Display Type	LCD
Power Output	4*50W

8. WARRANTY AND SUPPORT

8.1. Warranty Information

This MekedeTech Android Car Stereo GPS Navigation System comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact MekedeTech customer support. Refer to the contact information provided with your product packaging or visit the official MekedeTech website for support resources.

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Email

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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

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