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› MekedeTech Android Car Radio Stereo User Manual for Mazda 6 (2004-2015)

MekedeTech 8-Core 8+128G

MekedeTech Android Car Radio Stereo User Manual

MODEL: 8-CORE 8+128G

For Mazda 6 (2004-2015)

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo. This head unit is designed specifically for Mazda 6 models from 2004 to 2015, offering a significant upgrade with its 1280x720 HD touch screen, 4G LTE connectivity, and integrated Wireless CarPlay/Android Auto. Please read this manual thoroughly before installation and use to ensure proper function 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 your 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 electrical hazards. Refer to the wiring diagram provided with your unit.
- **Operation While Driving:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

Package Contents

Your MekedeTech Android Car Radio Stereo package includes all necessary accessories for installation:

- MekedeTech Android Head Unit
- Dash Kit (specific to Mazda 6 2004-2015)
- Power Cable Harness
- RCA Cable Set
- Reversing Camera Cable
- USB Cables
- GPS Antenna

- 4G LTE Antenna

Setup and Installation

The MekedeTech Android Car Radio Stereo is designed for a plug-and-play installation in Mazda 6 models from 2004 to 2015. While installation is generally straightforward, professional assistance is recommended.

1. Pre-Installation Overview

Before beginning, ensure your vehicle's battery is disconnected. Carefully remove the original car radio and dashboard trim. The provided dash kit is designed to seamlessly integrate the new head unit into your vehicle's interior.



Image: Comparison of the original Mazda 6 dashboard layout (left) and the MekedeTech head unit with its custom fitting dash kit (right).

2. Wiring Connections

Connect the main power harness, RCA cables, USB cables, GPS antenna, and 4G LTE antenna to the corresponding ports on the back of the head unit. Ensure all connections are firm. The reversing camera cable should be routed to the rear of the vehicle if a camera is being installed.

3. Unit Installation

Mount the head unit into the dash kit, then carefully insert the assembly into the vehicle's dashboard opening. Secure it using the original mounting points or screws provided. Reconnect the vehicle's battery and test the unit before fully reassembling the dashboard trim.



Image: The MekedeTech Android head unit seamlessly installed within the Mazda 6 dashboard, showcasing its integrated appearance.

4. Cooling Fan Setup

The unit includes a cooling fan to manage internal temperatures, especially during prolonged use or in hot climates. Ensure the cooling fan is properly connected and configured for optimal performance.

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!

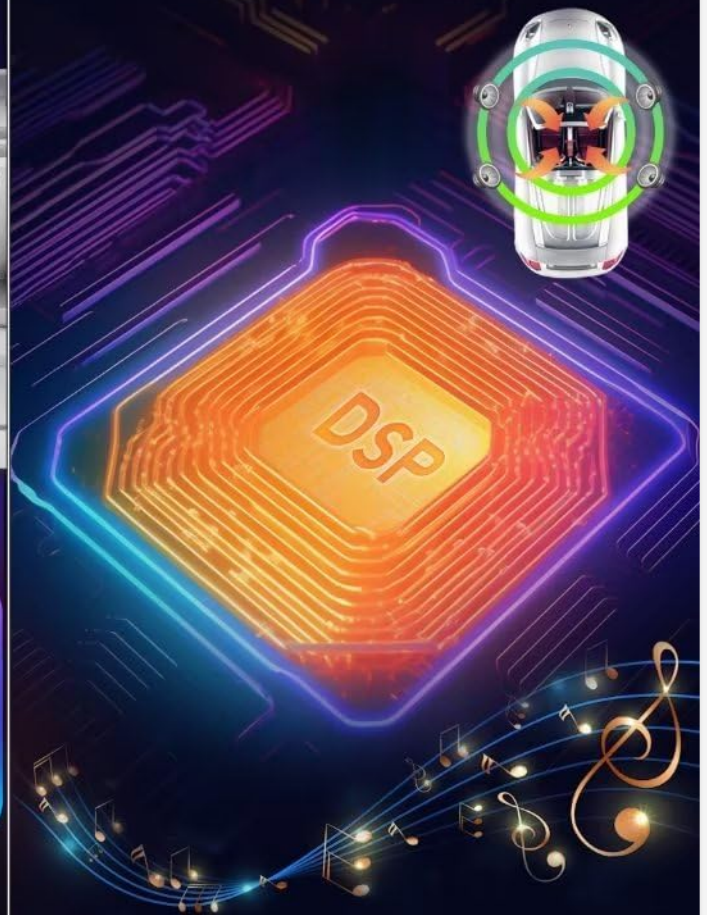


Image: Detailed view of the unit's internal components (CPU, RAM, ROM) and the cooling fan. The image also illustrates the setup steps for activating the cooling fan, showing temperature differences with and without the fan.

Cooling Fan Setup Steps:

1. Connect the cooling fan cable.
2. Navigate to Settings > Device > Sound.
3. Select 'Device' and then 'AMP ON'.
4. The cooling fan will begin operation.

Operation

Your MekedeTech head unit runs on Android 12 OS, providing a familiar and intuitive interface. It features an 8-Core A53 1.8GHz CPU with 8GB RAM and 128GB ROM for smooth performance.

1. Wireless CarPlay and Android Auto

The unit comes with built-in Wireless CarPlay (for iOS devices) and Wired Android Auto (for Android devices), allowing seamless integration with your smartphone for navigation, music, calls, and messages.

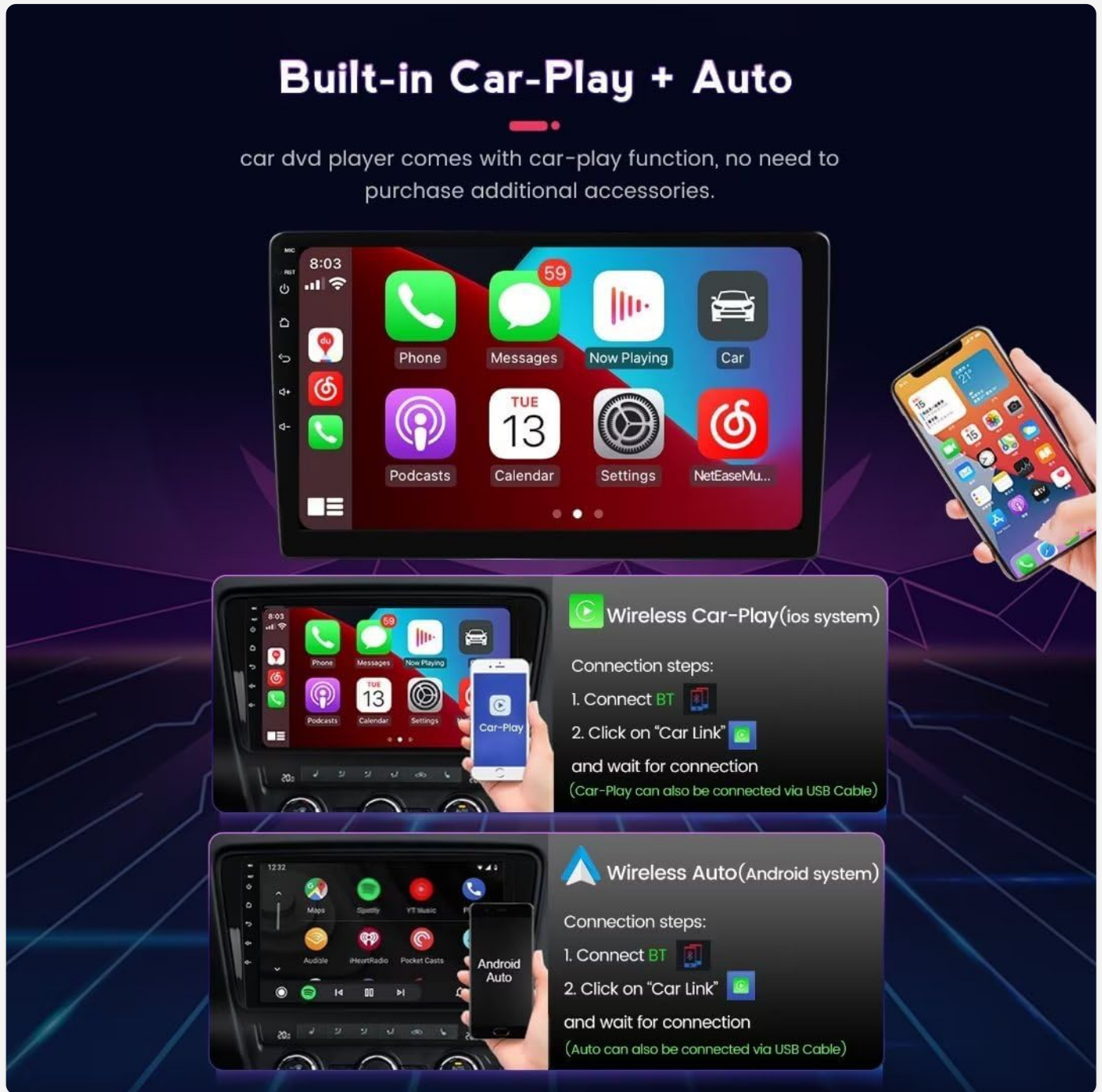


Image: Visual guide for connecting Wireless CarPlay (iOS system) and Wireless Android Auto (Android system), showing the user interface on the head unit and a smartphone.

Connection Steps:

1. Enable Bluetooth on your smartphone and the head unit.
2. Pair your smartphone with the head unit via Bluetooth.
3. On the head unit, open the 'Car Link' application.
4. Follow the on-screen prompts to establish the CarPlay or Android Auto connection. A wired connection via USB cable is also supported for Android Auto.

2. 4G LTE and WiFi Connectivity

Stay connected on the go with built-in 4G LTE and WiFi capabilities. Insert a 4G SIM card into the dedicated slot for cellular data access, or connect to a WiFi hotspot.



OCTA CORE, UP TO 2.0GHz, 8+128GB
CPU: 2*cortex A75 + 6*cortex A55 (12NM)

Android
System

8GB
RAM

128GB
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

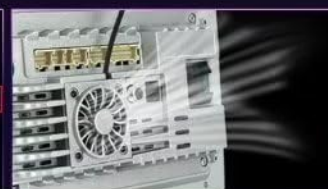
Setup steps:

1.



3. Device -- AMP ON

2. Settings -- Device -- Sound



4. The cooling fan starts working

Image: Illustration of the 4G SIM card slot location (one on the main unit, one on the RCA cable) and a visual representation of the Digital Sound Processor (DSP).

The unit features two SIM card slots: one on the back of the main unit and another on the RCA cable for convenient access.

3. Digital Sound Processor (DSP)

Experience enhanced audio quality with the integrated DSP. This feature allows for multi-dimensional surround sound effects and fine-tuning of audio output, providing a superior listening experience.

4. Steering Wheel Control

Maintain convenience and safety by utilizing your vehicle's original steering wheel controls. The unit supports these functions, allowing you to adjust volume, switch songs, and change channels without taking your hands off the steering wheel.

5. GPS Navigation

The built-in GPS navigation system provides reliable guidance. Ensure the GPS antenna is properly installed and positioned for optimal signal reception.

6. Bluetooth 5.0

Bluetooth 5.0 ensures stable and high-quality connections for hands-free calls and audio streaming from your mobile devices.

Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Do not use harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be found on the manufacturer's website or through the unit's system settings.
- **Environmental Care:** Avoid exposing the unit to extreme moisture, dust, or direct sunlight for extended periods.

Troubleshooting

If you encounter issues with your MekedeTech Android Car Radio Stereo, refer to the following common problems and solutions:

- **No Power:**
 - Check all power cable connections.
 - Verify the vehicle's fuse for the radio is intact.
 - Ensure the vehicle's battery is properly connected and charged.
- **No Sound:**
 - Check speaker wire connections.
 - Verify volume settings on the unit and any connected devices.
 - Ensure the DSP settings are correctly configured.
- **Touch Screen Unresponsive:**
 - Perform a soft reset by pressing the reset button (if available) or by turning the vehicle off and on.
 - Ensure the screen is clean and free of debris.
- **GPS Signal Issues:**
 - Ensure the GPS antenna is securely connected and placed in an area with a clear view of the sky (e.g., on the dashboard).
- **CarPlay/Android Auto Not Connecting:**
 - Ensure Bluetooth is enabled on both the unit and your smartphone.
 - Check that the 'Car Link' app is open on the head unit.
 - For Android Auto, try connecting with a high-quality USB cable.
 - Restart both the head unit and your smartphone.
- **Overheating:**
 - Ensure the cooling fan is properly connected and functioning as described in the Setup section.

- Verify that there is adequate ventilation around the unit.

If these steps do not resolve the issue, please contact MekedeTech customer support for further assistance.

Specifications

Brand	MekedeTech
Model	8-Core 8+128G
Compatible Vehicle	Mazda 6 (2004-2015)
System	Android 12 OS
CPU	8-Core A53 1.8GHz
Memory	8GB RAM, 128GB ROM
Screen Size	9 Inches
Display Type	IPS Touch Screen
Native Resolution	1280x720
Power Output	4*50W
Connectivity	4G LTE, WiFi, Bluetooth 5.0, Wireless CarPlay, Wired Android Auto
Power Source	DC
Supported Audio Formats	APE, FLAC, WAV, MP3, WMA, etc.
Supported Video Formats	MKV, RMVB, AVI, MP4, MDV, etc.
Supported Picture Formats	PNG, JPEG, JPG, GIF, WBMP, BNP, etc.
Manufacturer	Shenzhen Mekede Technology Co.,Ltd

Warranty and Support

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. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact MekedeTech customer support. Have your product model number and purchase details ready when contacting support. You can typically find support contact information on the official MekedeTech website or through your purchase platform.

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