

[Manuals.plus](#) /

› [MekedeTech](#) /

› MekedeTech Android Car Radio Stereo User Manual for Mazda 3 (2010-2012) - Model: 8-Core 2+32G

MekedeTech 8-Core 2+32G

MekedeTech Android Car Radio Stereo User Manual

For Mazda 3 (2010-2012) - Model: 8-Core 2+32G

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android Car Radio Stereo. This unit is specifically designed for Mazda 3 models manufactured between 2010 and 2012, offering an upgraded in-car entertainment and navigation experience. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The MekedeTech Android Car Radio Stereo is an advanced head unit featuring a 9-inch IPS touch screen. It integrates modern connectivity and entertainment options into your vehicle.

Key Features:

- **System:** Android 12 OS
- **CPU:** 8-Core A53 1.8GHz
- **Memory:** 2GB RAM, 32GB ROM
- **Display:** 9-inch IPS Touch Screen with 1280x720 resolution
- **Connectivity:** Built-in Wireless CarPlay, Wired Android Auto, 4G LTE, WiFi, Bluetooth 5.0
- **Audio:** Built-in DSP sound system, 4*50W Power Output
- **Navigation:** Built-in GPS navigation and Maps
- **Control:** Supports original steering wheel controls



Figure 2.1: Front view of the MekedeTech Android Car Radio Stereo unit.

3. SETUP AND INSTALLATION

This unit is designed for a Plug & Play installation in Mazda 3 models (2010-2012). All necessary accessories, including the dash kit, power cable, RCA cable, reversing camera cable, and USB cables, are included for a complete installation.

3.1 Installation Overview

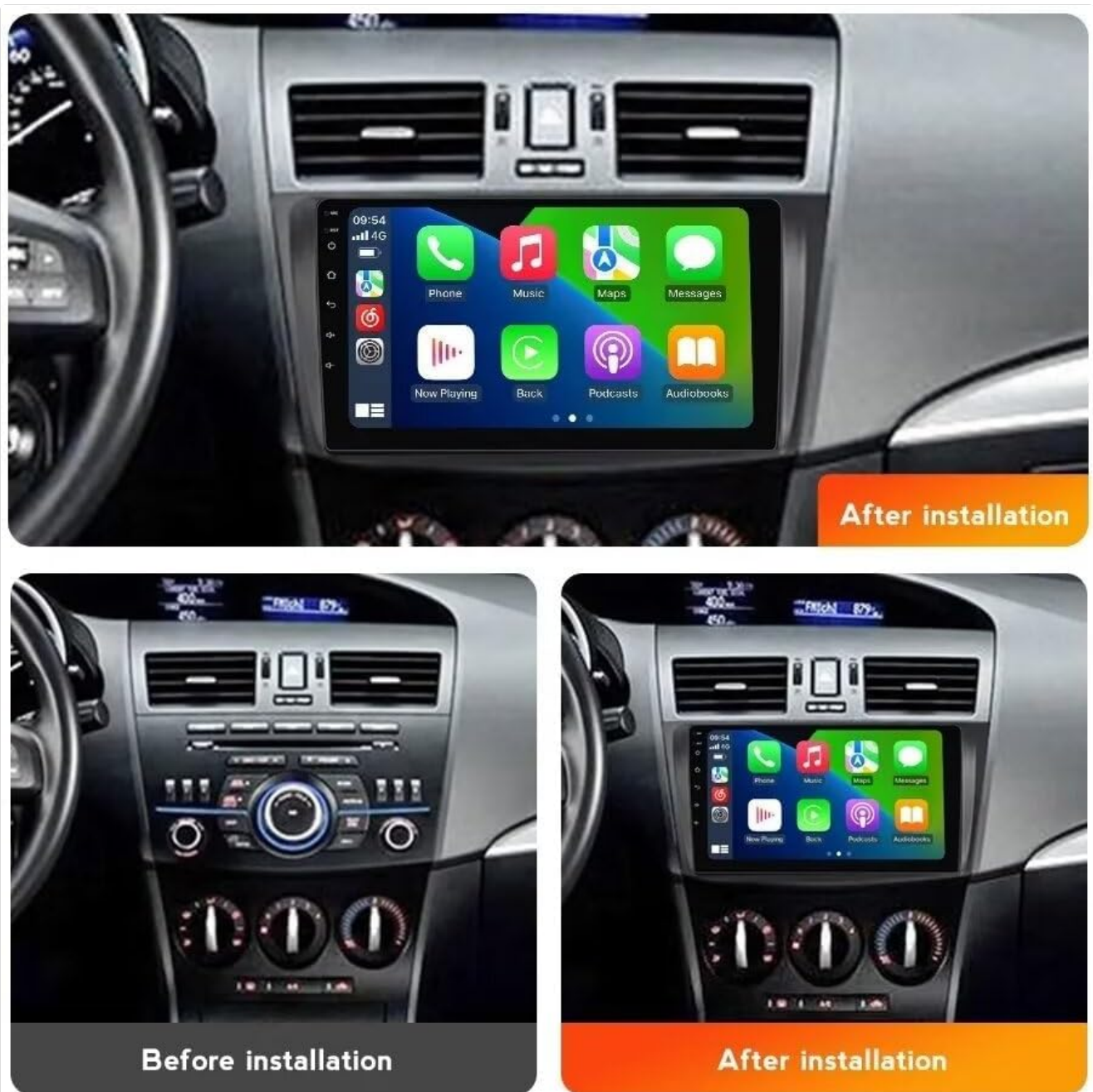


Figure 3.1: Visual comparison of the car dashboard before and after the MekedeTech Android Car Radio Stereo installation.

The image above illustrates the aesthetic integration of the new head unit into the Mazda 3 dashboard, replacing the original radio system.

3.2 Cooling Fan and System Setup

The unit includes a cooling fan designed to manage temperature during extended operation, preventing performance issues caused by overheating.

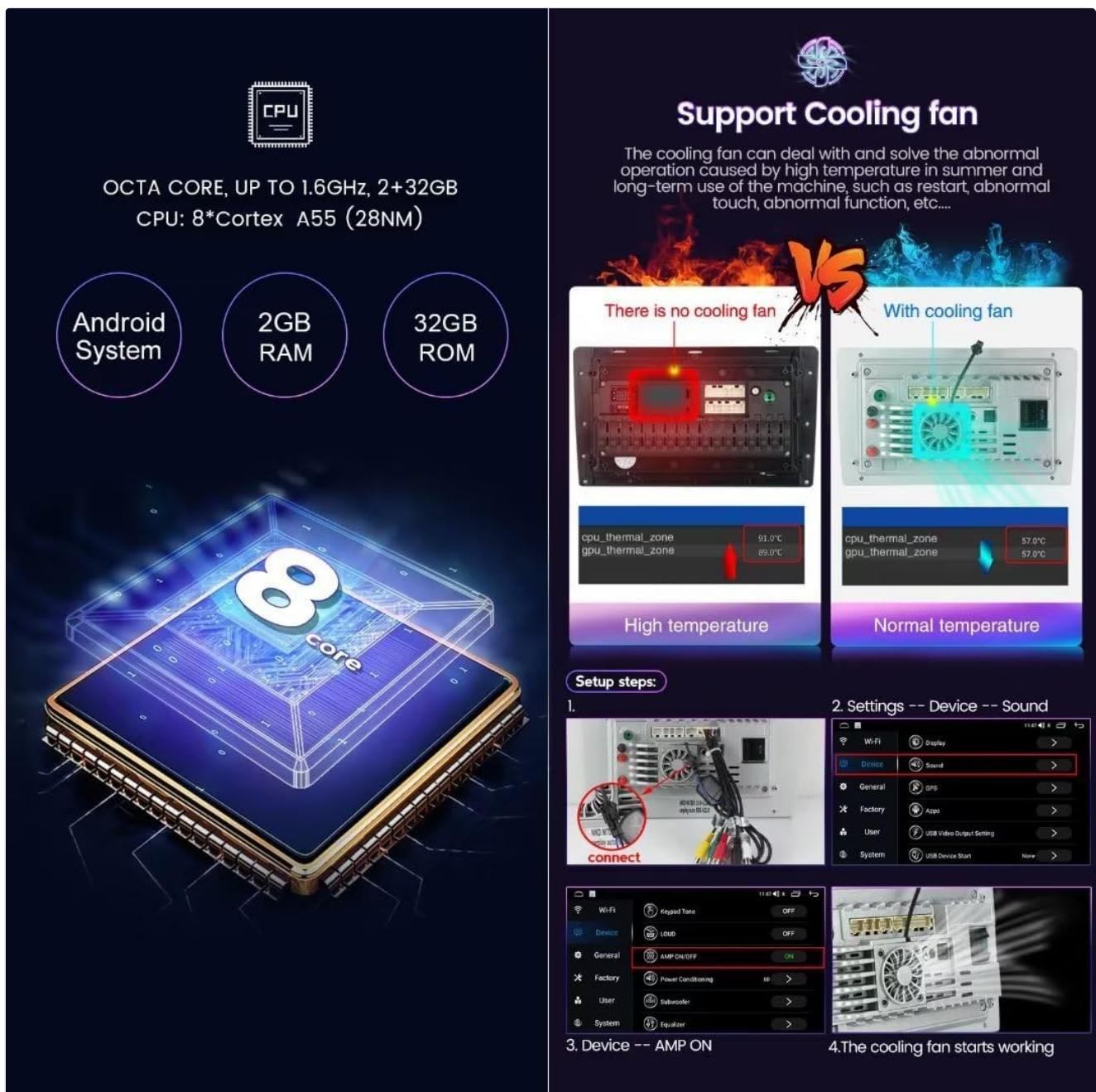


Figure 3.2: Diagram detailing the cooling fan mechanism, CPU specifications (Octa Core, 2GB RAM, 32GB ROM), and initial setup steps for the device and sound settings.

The diagram shows the internal components including the CPU, RAM, and ROM. It also highlights the importance of the cooling fan for maintaining optimal operating temperatures. Basic setup steps are indicated, including connecting the device and configuring sound settings. Ensure the cooling fan is properly connected and functioning after installation.

4. OPERATING INSTRUCTIONS

4.1 Wireless CarPlay and Android Auto

The unit features built-in Wireless CarPlay and Wired Android Auto, allowing seamless integration with your smartphone for navigation, music, calls, and more.

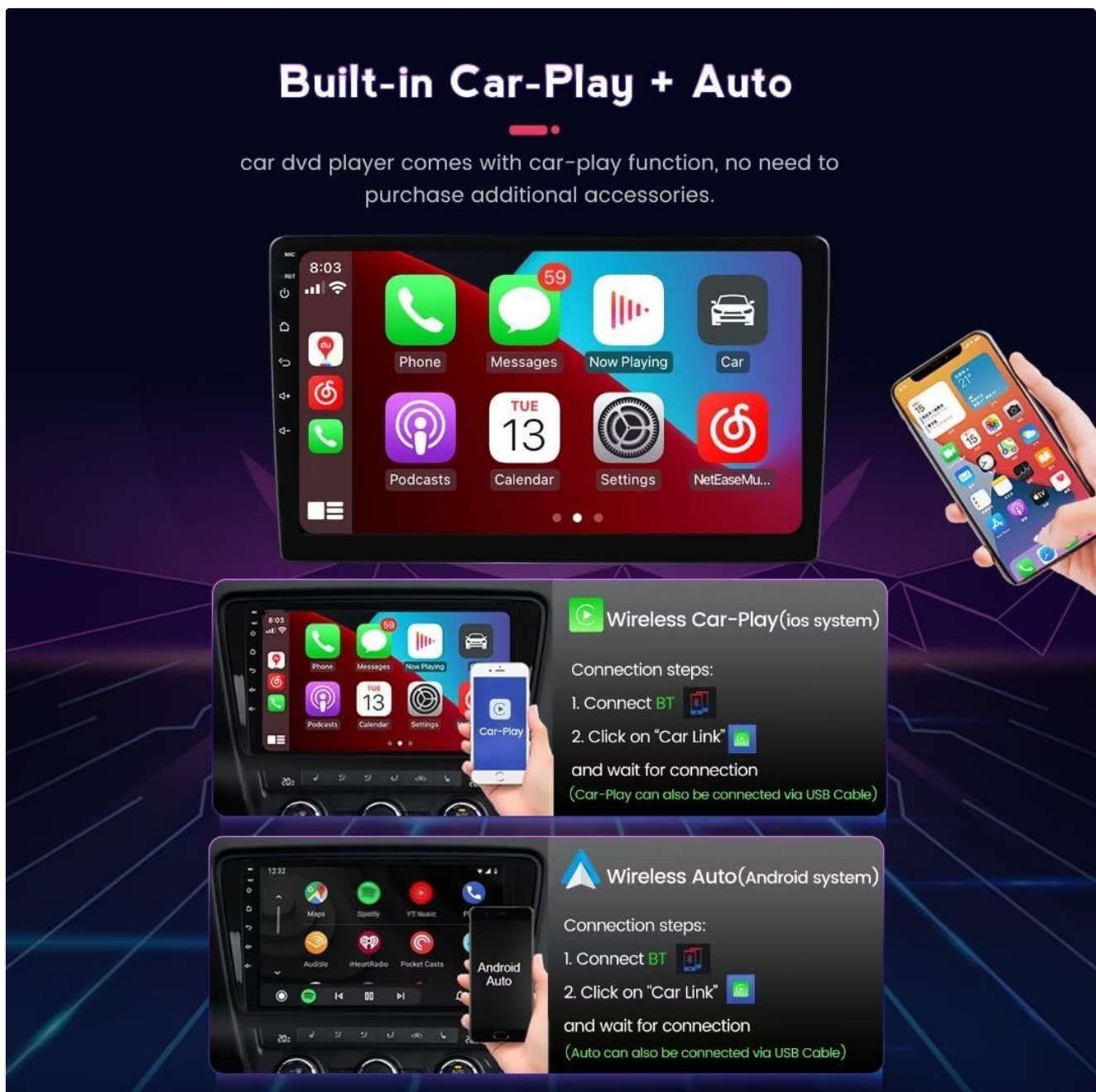


Figure 4.1: Visual guide for connecting Wireless CarPlay (iOS system) and Wireless Android Auto (Android system). Both require connecting via Bluetooth first, then selecting 'Car Link' to establish the connection. Wired connection is also an option for Android Auto via USB cable.

To connect Wireless CarPlay (iOS):

1. Connect your iPhone to the head unit via Bluetooth.
2. Select 'Car Link' on the head unit and wait for the connection to establish.

To connect Wireless Android Auto (Android):

1. Connect your Android phone to the head unit via Bluetooth.
2. Select 'Car Link' on the head unit and wait for the connection to establish.

For Wired Android Auto, connect your Android phone using a USB cable and then follow the 'Car Link' prompt.

4.2 4G LTE and WiFi Connectivity

The unit supports 4G LTE and WiFi, providing internet access directly from your car stereo.

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!



Figure 4.2: Illustration of the built-in 4G LTE module with a SIM card slot for cellular network access. The image also highlights the DSP processor for enhanced audio quality.

To use 4G LTE, insert a compatible 4G SIM card into the designated slot. There are two SIM card slots: one on the back of the main unit and one on the RCA cable. For WiFi, connect to an available WiFi hotspot through the unit's settings.

4.3 DSP Processor

The integrated Digital Signal Processor (DSP) enhances audio quality, providing multi-dimensional surround sound and a high-definition audio-visual experience.

4.4 Intelligent Voice Control

The unit supports intelligent voice control, allowing hands-free operation for safer driving. This feature supports multiple languages.



Figure 4.3: Combined view of CarPlay/Android Auto connection steps and the voice control interface. The voice control feature allows users to issue commands such as "play music" in various languages.

To activate voice control, use the designated voice command button or phrase. The system will display a listening prompt, allowing you to issue commands such as playing music or navigating.

5. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for and install software updates to ensure the system runs efficiently and securely.
- **Temperature:** Avoid exposing the unit to extreme temperatures. The built-in cooling fan helps regulate internal temperature during operation.
- **Connections:** Ensure all cables and connections are secure and free from damage.

6. TROUBLESHOOTING

If you encounter issues with your car stereo, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels and audio output settings. Ensure the DSP is configured correctly.
- **Touch Screen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (consult support before performing a factory reset).
- **CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on both the phone and the head unit. For wired Android Auto, check the USB cable and port. Confirm 'Car Link' is selected.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Overheating:** Ensure the cooling fan is not obstructed and is functioning. Prolonged high temperatures can affect performance.

For issues not resolved by these steps, please contact customer support.

7. SPECIFICATIONS

Brand	MekedeTech
Model	8-Core 2+32G
Compatible Vehicles	Mazda 3 (2010, 2011, 2012)
Operating System	Android 12 OS
CPU	8-Core A53 1.8GHz
Memory	2GB RAM, 32GB ROM
Display Size	9 Inches
Display Resolution	1280x720 IPS
Connectivity Technology	Wireless (Bluetooth 5.0, WiFi, 4G LTE)
Special Features	Wireless CarPlay, Android Auto, Built-In Bluetooth, Touchscreen, 4G LTE, DSP
Power Output	4*50 Watts
Audio Output Mode	Stereo
Connector Type	RCA, USB
Manufacturer	Shenzhen Mekede Technology Co.,Ltd

8. WARRANTY AND SUPPORT

8.1 Product Warranty

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. 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. You can typically find contact information on the seller's page or through the official MekedeTech website.

Seller: [Mekedetech](#)

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