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MekedeTech Android 11 Car Stereo Radio 6.2-inch Touch Screen

MekedeTech Android 11 Car Stereo Radio 6.2-inch Touch Screen User Manual

Model: Android 11 Car Stereo Radio 6.2-inch Touch Screen

Introduction Compatibility What's Included Setup & Installation Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MekedeTech Android 11 Car Stereo Radio. This 6.2-inch touch screen head unit offers advanced features including Android 11 operating system, built-in CarPlay and Android Auto, Bluetooth connectivity, GPS navigation, and support for steering wheel controls and a rear view camera. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1.1: MekedeTech Android 11 Car Stereo Radio with rear view camera, microphone, and memory card.

2. Vehicle Compatibility

This car stereo is designed for specific vehicle models. Verify your vehicle's make, model, and year against the list below to ensure compatibility.

- **Jeep:**
  - Patriot (2009-2014)
  - Grand Cherokee (2005-2011)
  - Wrangler/Unlimited (2007-2018)
  - Liberty (2008-2011)
  - Commander (2008-2011)
  - Compass (2009-2014)
- **Chrysler:**
  - Sebring (2007-2010)
  - Aspen (2007-2010)
  - 300C (2007-2010)
- **Dodge:**
  - Caliber (2009-2011)
  - Journey (2009-2011)
  - Challenger (2009-2011)

- Dakota (2009-2011)
- Durango (2009-2011)
- Avenger (2009-2011)
- Ram (2009-2012)

Note: Vehicle compatibility may vary based on specific trim levels or factory options. Consult a professional installer if unsure.

3. Package Contents

Before beginning installation, ensure all components listed below are present in your package.

- MekedeTech Android 11 Car Stereo Head Unit
- Power Wiring Harnesses (Vehicle-specific)
- GPS Antenna
- USB Cables
- External Microphone
- Rear View Camera (Optional, if included in package)
- User Manual (This document)
- Mounting Brackets/Hardware (Pre-attached or separate)



Figure 3.1: Included wiring harnesses and accessories.

4. Setup and Installation

Professional installation is recommended. Disconnect the vehicle's battery before starting any electrical work. Refer to your vehicle's service manual for specific dashboard removal procedures.

4.1 Pre-Installation Check

1. Ensure the vehicle's ignition is off and the battery's negative terminal is disconnected.
2. Remove the factory radio according to your vehicle's specific instructions.
3. Inspect the factory wiring harness and compare it with the provided harnesses.

4.2 Wiring Connections

Connect the provided wiring harnesses to the car stereo and the vehicle's factory wiring. Ensure all connections are

secure.

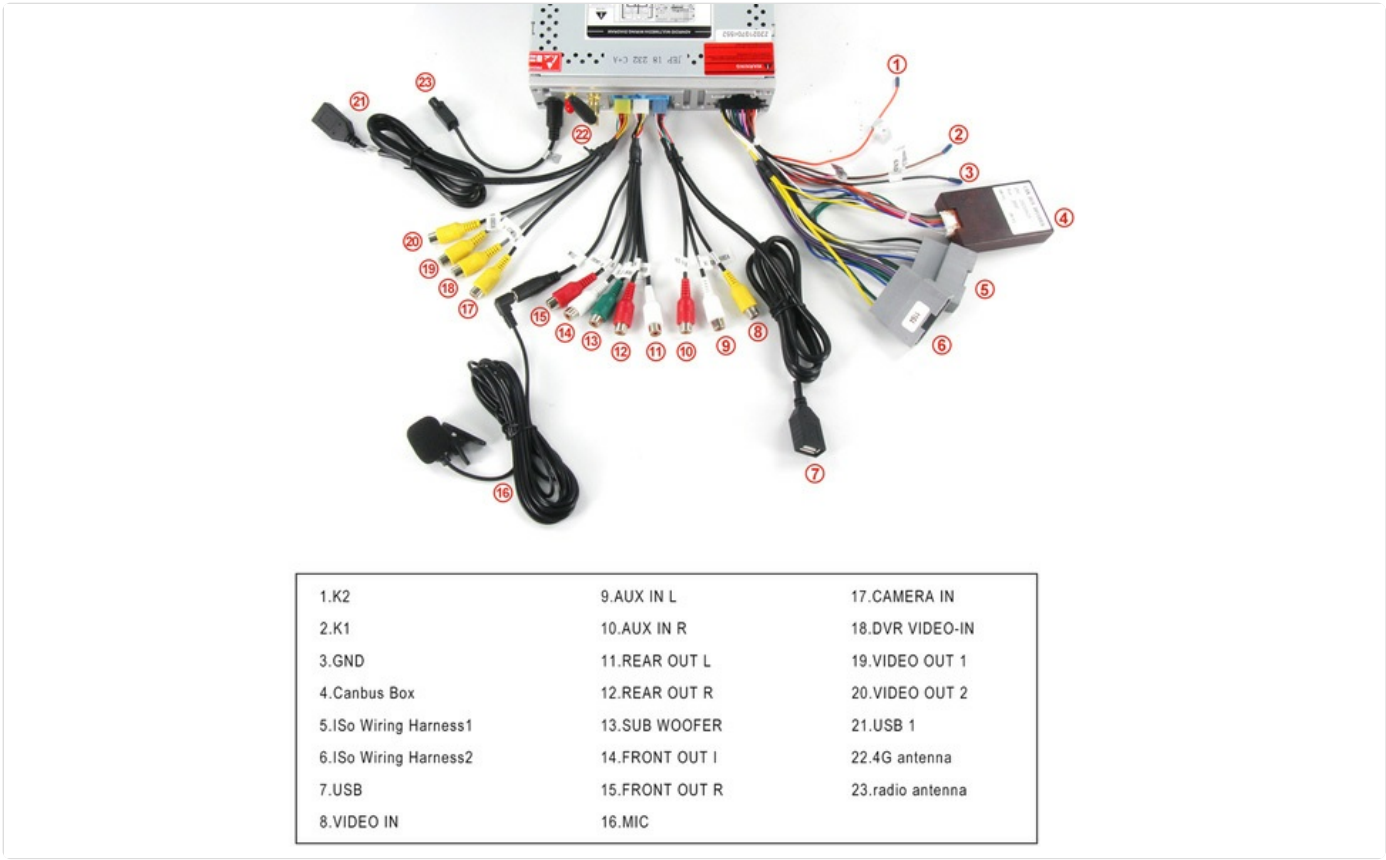


Figure 4.1: Main wiring connections diagram.

Key connections include:

- **Power Harness:** Connects to the vehicle's power, ground, and accessory wires.
- **CANbus Box:** Essential for integrating with vehicle's systems like steering wheel controls and ignition signals. Ensure it is connected if your vehicle requires it (e.g., 2011 Dodge Caliber).
- **GPS Antenna:** Mount in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **USB Cables:** Route to a convenient location for connecting USB devices or smartphones.
- **External Microphone:** Position near the driver for optimal call quality.
- **Rear View Camera:** Connect the video input and power wires. The unit will automatically display the reverse video when the car is in reverse gear.
- **Radio Antenna:** Connect the vehicle's radio antenna.



Figure 4.2: Rear panel connections of the head unit.



Figure 4.3: Side view of the head unit, illustrating mounting bracket attachment.

4.3 Mounting the Head Unit

1. Carefully slide the head unit into the dashboard opening.
2. Secure the unit using the factory mounting screws or provided brackets.
3. Reassemble the dashboard trim panels.

4.4 Post-Installation

1. Reconnect the vehicle's battery.
2. Turn on the ignition and power on the stereo.
3. Perform initial setup and test all functions (radio, Bluetooth, GPS, steering wheel controls, camera).



Figure 4.4: Visual comparison: Before and After installation.

5. Operation

This section details the primary functions and how to operate your MekedeTech car stereo.

5.1 Basic Controls

- **Power Button:** Press to turn the unit on/off.
- **Volume Knobs:** Adjust audio output level.
- **Touch Screen:** Navigate menus and control functions by touching the display.
- **Physical Buttons:** Access common functions like NAVI, BAND, MENU, BACK, RST (Reset).

5.2 CarPlay and Android Auto

The unit features built-in CarPlay and Android Auto for seamless smartphone integration. Connect your compatible iPhone or Android phone via USB to access navigation, music, calls, and messages directly on the stereo's display.

Built-in Carplay



Figure 5.1: CarPlay functionality demonstration.



Figure 5.2: CarPlay and Android Auto integration.

5.3 Bluetooth Connectivity

Pair your smartphone via Bluetooth for hands-free calling and wireless audio streaming.

1. Go to the Bluetooth settings on the car stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select "BT9957" (or similar device name) from the list on your phone and pair.
4. Confirm the pairing code if prompted.



Figure 5.3: Bluetooth hands-free calling interface.

5.4 GPS Navigation

The unit comes with a built-in offline map of North America. Connect to Wi-Fi to use online maps and download additional navigation applications from the application store.

- Tap the "NAVI" button or the navigation icon on the home screen to launch the GPS application.
- Enter your destination and follow the on-screen directions.

5.5 Mirror Link Function

Mirror Link allows you to display your smartphone's screen directly onto the car stereo. This feature supports both Android (via USB or Wi-Fi) and iPhone (via Wi-Fi).

1. Access the "Mirror Link" application on the head unit.
2. Follow the on-screen instructions to connect your smartphone.



Figure 5.4: Mirror Link in operation, displaying video content.

5.6 Steering Wheel Controls

If your vehicle is equipped with steering wheel controls, the unit supports integration for functions like volume adjustment, track skipping, and call management. Configuration may be required in the system settings.

5.7 Split Screen Functionality

The Android 11 operating system allows for split-screen multitasking, enabling you to run two applications simultaneously, such as navigation and music playback.

5.8 Digital Sound Processor (DSP)

Utilize the built-in DSP to customize your audio experience with features like equalizer settings, balance, fader, and smart bass adjustments.

5.9 RCA Output

The unit provides RCA outputs for connecting external amplifiers or additional displays, such as headrest monitors.

6. Maintenance

Proper care ensures the longevity and optimal performance of your car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and button areas.
- **Software Updates:** Periodically check for available software updates through the system settings or the manufacturer's website to ensure the latest features and performance enhancements.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect performance and lifespan.

7. Troubleshooting

Refer to this section for solutions to common issues. If problems persist, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery disconnected.	Check power connections, inspect vehicle fuses, ensure battery is connected and charged.
No sound output.	Volume too low, mute activated, speaker wires disconnected, incorrect audio settings.	Increase volume, check mute status, verify speaker wiring, adjust audio settings (balance/fader).
Bluetooth not connecting or unstable.	Incorrect pairing, interference, phone's Bluetooth off.	Ensure phone's Bluetooth is on, delete previous pairings and re-pair, move phone closer to unit, reset unit.
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly installed.	Ensure GPS antenna has a clear view of the sky, check antenna connection.
Rear view camera not displaying.	Camera wiring issue, reverse trigger wire not connected, camera faulty.	Verify camera power and video connections, check reverse trigger wire connection.
Unit is slow or unresponsive.	Too many apps running, low system resources, software issue.	Close unnecessary applications, perform a system reset (using the RST button), check for software updates.

8. Specifications

Feature	Detail
Operating System	Android 11.0
Processor	Quad Core
RAM	2GB
Internal Storage (ROM)	32GB
Display Size	6.2 Inches

Feature	Detail
Display Resolution	800x480
Bluetooth Version	4.0
Connectivity	Bluetooth, USB, Wi-Fi, Wireless
Special Features	Android Auto, CarPlay, Touchscreen, GPS Navigation, Steering Wheel Control Support, Rear View Camera Support, Mirror Link, DSP, Split Screen
Map Type	North America (Offline)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	6.14 pounds
Package Dimensions	12.6 x 9.25 x 7.68 inches

9. Warranty and Support

9.1 Product Warranty

This MekedeTech product is covered by a **One 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, accident, misuse, abuse, unauthorized modifications, or natural disasters. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact MekedeTech customer support. Refer to the contact information provided with your purchase or visit the official MekedeTech website for support details.
Manufacturer: Shenzhen Mekede Technology Co.,Ltd

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