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› MekedeTech Android 10.0 Double DIN Car Stereo User Manual

MekedeTech Android 10.0 Double DIN Car Stereo for Opel Vehicles

MekedeTech Android 10.0 Double DIN Car Stereo User Manual

Model: For Opel Astra, Vectra, Antara, Zafira, Corsa, Meriva, Vivaro

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your MekedeTech Android 10.0 Double DIN Car Stereo. This advanced multimedia system is designed to enhance your driving experience with features such as a 7-inch touchscreen, built-in GPS navigation, Bluetooth connectivity, CarPlay, Android Auto, and a Digital Sound Processor (DSP).

Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the unit or your vehicle.

2. SAFETY INFORMATION

- Always ensure the vehicle is parked and the parking brake is engaged before operating the unit's advanced features or making significant setting changes.
- Do not attempt to install or service the unit yourself if you are not qualified. Professional installation is highly recommended.
- Avoid prolonged exposure to direct sunlight or extreme temperatures, as this may affect the unit's performance and lifespan.
- Keep the unit away from water and moisture.
- Do not block ventilation openings.
- Use only the specified power supply and wiring harnesses. Incorrect wiring can cause damage or fire.
- Ensure all connections are secure to prevent short circuits.
- Do not disassemble or modify the unit. This will void the warranty.

3. COMPATIBLE VEHICLES

This stereo unit is specifically designed for installation in the following Opel vehicle models:

- Opel Astra (2004-2009)
- Opel Antara (2006-2011)
- Opel Vectra (2003-2008)

- Opel Corsa (2006-2011)
- Opel Zafira (2005-2011)
- Opel Meriva (2006-2011)
- Opel Vivaro (2006-2010)
- Opel Tigra
- Opel Combo
- Holden Astra/Captiva/Vectra (specific models)

Note: This stereo is exclusively for the listed Opel vehicles. Other vehicles are not supported for installation.

4. PACKAGE CONTENTS

Upon opening the package, please verify that all the following components are included:

- MekedeTech Android 10.0 Double DIN Car Stereo Main Unit
- Power Harness
- GPS Antenna
- USB Cables
- RCA Cables (Audio/Video Input/Output)
- CANbus Decoder (if applicable for your vehicle model)
- Radio Antenna Adapter
- User Manual (this document)



Figure 4.1: Main unit and included accessories.

This image displays the MekedeTech car stereo head unit along with its various connecting cables and accessories, including power harnesses, RCA cables, USB cables, and the GPS antenna, providing a visual guide to the package contents.

5. SETUP AND INSTALLATION

Installation of this car stereo requires technical knowledge and experience with car electronics. It is strongly recommended to have the unit installed by a qualified professional to avoid damage to the unit or your vehicle's electrical system.

5.1 Pre-Installation Checklist

- Disconnect the vehicle's negative battery terminal before starting any electrical work.
- Ensure the vehicle is compatible with the unit (refer to Section 3).
- Gather all necessary tools (e.g., screwdrivers, wire strippers, electrical tape).

5.2 Installation Steps (General Guide)

1. Carefully remove the original car stereo unit from your vehicle's dashboard. Refer to your vehicle's specific service manual for detailed instructions on dashboard disassembly.
2. Connect the main power harness from the new unit to the vehicle's wiring. Ensure correct polarity and secure connections.

3. Connect the GPS antenna and position it in a location with a clear view of the sky (e.g., on the dashboard or under the windshield).
4. Connect any additional accessories such as USB cables, RCA cables for external amplifiers or cameras, and the radio antenna.
5. If your vehicle requires a CANbus decoder, connect it according to the provided diagram to ensure steering wheel controls and other vehicle data are properly integrated.
6. Carefully slide the new MekedeTech unit into the dashboard opening. Ensure all wires are tucked away and not pinched.
7. Secure the unit in place using the appropriate mounting brackets or screws.
8. Reconnect the vehicle's negative battery terminal.
9. Test the unit's functionality (power, audio, touch screen, GPS, Bluetooth, etc.) before fully reassembling the dashboard.
10. Reassemble the dashboard trim panels.

After installation



Figure 5.1: Car stereo installed in a vehicle dashboard.

This image illustrates the MekedeTech car stereo unit seamlessly integrated into the dashboard of a compatible Opel vehicle, demonstrating its appearance after a successful installation.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually the volume knob) to turn the unit on or off. A short press typically mutes/unmutes the audio.
- **Volume Control:** Rotate the volume knob clockwise to increase volume and counter-clockwise to decrease.
- **Touchscreen:** The 7-inch capacitive touchscreen allows for intuitive control of all functions. Tap, swipe, and pinch-to-zoom gestures are supported.



Figure 6.1: Main user interface.

This image displays the primary user interface of the MekedeTech Android 10 car stereo, featuring a clean layout with quick access icons for navigation, music, radio, and other applications, along with a clock and speed display.

6.2 Navigation (GPS)

The unit comes with built-in GPS functionality. You can use pre-installed offline maps or download online navigation applications like Google Maps, Waze, etc., from the Google Play Store (requires internet connection via Wi-Fi hotspot from your phone).

- Tap the "NAVI" or "GPS" button on the unit or the navigation icon on the screen to launch the navigation application.
- Follow the on-screen prompts to set your destination and start navigation.

6.3 Bluetooth Connectivity

The built-in Bluetooth module allows for hands-free calling and audio streaming (A2DP).

1. Pairing:

- Go to the Bluetooth settings on the stereo.
- Enable Bluetooth on your mobile phone and search for available devices.
- Select "MekedeTech" (or similar name) from the list on your phone.
- Confirm the pairing code on both devices if prompted.

2. **Hands-Free Calling:** Once paired, you can make or receive calls directly from the stereo's touchscreen. The unit supports phonebook synchronization.

3. **Audio Streaming (A2DP):** Play music from your phone wirelessly through the car stereo. Control playback (play/pause, skip) from the stereo or your phone.

Support BT

Built-in smart Bluetooth system, can support mobile phone Bluetooth pairing, hands-free dialing support steering wheel button street listening, accompanying chat to ensure your driving safety



Figure 6.2: Bluetooth interface for calls.

This image illustrates the Bluetooth calling interface on the car stereo, showing a virtual dial pad and call status, with a smartphone in the foreground demonstrating the connection.

6.4 CarPlay and Android Auto

The unit features built-in CarPlay and Android Auto functionality, allowing seamless integration of your smartphone for navigation, music, messages, and more.

- **Wired Connection:** Connect your iPhone or Android phone to the unit's USB port using a certified USB cable. The system will automatically launch CarPlay or Android Auto.
- **Wireless Connection:** Some models may support wireless CarPlay/Android Auto. Refer to the unit's settings for wireless pairing instructions.
- Once connected, your phone's compatible apps will be displayed on the stereo screen, optimized for in-car use.

Built-in Carplay + Auto

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

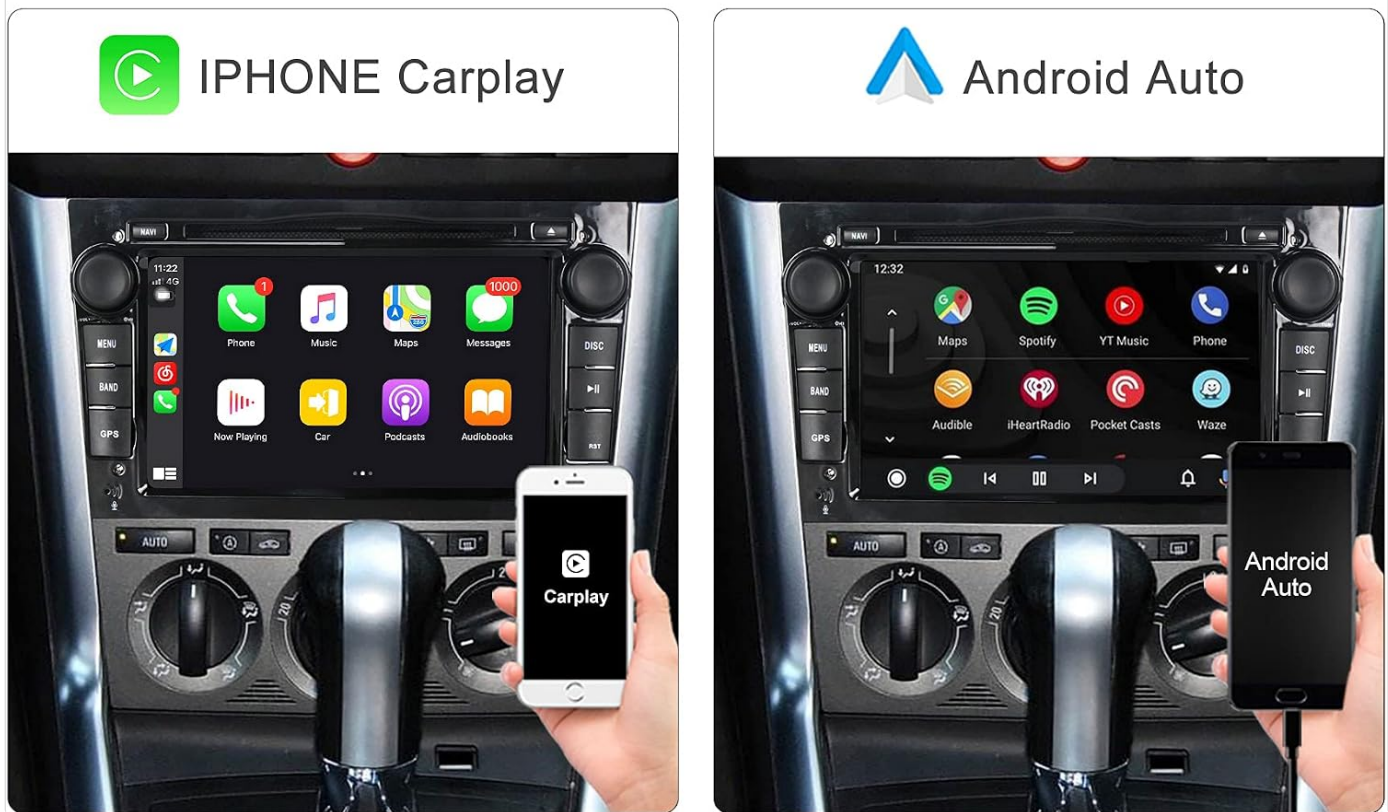


Figure 6.3: CarPlay and Android Auto interfaces.

This image presents a split view of the car stereo screen, demonstrating both the Apple CarPlay interface on the left and the Android Auto interface on the right, highlighting their respective app layouts and functionalities.

6.5 Digital Sound Processor (DSP)

The integrated DSP allows for advanced audio customization, providing multi-dimensional surround sound and lossless sound effects.

- Access the DSP settings from the main menu.
- Adjust equalizer settings (e.g., Jazz, Pop, Rock, Custom) to fine-tune the audio output.
- Explore features like bass boost, loudness, and sound field adjustments to optimize your listening experience.

Support DSP

Increase DSP digital audio processing module multi-dimensional surround lossless sound effects, enjoy high-definition audio-visual feast!



Figure 6.4: DSP audio settings.

This image displays the Digital Sound Processor (DSP) interface on the car stereo, showing a graphic equalizer with adjustable frequency bands and various sound presets like "Jazz," allowing users to customize their audio experience.

6.6 Steering Wheel Control

The unit supports your vehicle's original steering wheel controls, allowing you to manage audio playback, volume, and calls without taking your hands off the wheel. This functionality is typically enabled via the CANbus decoder included with the unit.

- After installation, navigate to the steering wheel control settings in the unit's menu.
- Follow the on-screen instructions to map the functions of your steering wheel buttons to the stereo's commands.

6.7 Split Screen Function

The split-screen feature allows you to run two applications simultaneously on the screen, such as navigation on one side and music playback on the other. To activate:

- Open the first application.

- Press and hold the recent apps button (usually a square icon) or swipe up from the bottom and hold, then drag the app to one side of the screen.
- Select the second application to fill the other half of the screen.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit exterior. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates via the unit's system settings (requires Wi-Fi connection). Updates can improve performance, add features, and fix bugs.
- **Avoid Extreme Temperatures:** Do not leave the unit exposed to extreme heat or cold for extended periods, as this can affect its lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on or screen is frozen.	◦ Loose power connection. ◦ Blown fuse. ◦ Software crash. ◦ Internal hardware issue.	◦ Check all power wiring connections. ◦ Inspect vehicle's fuse box and the unit's inline fuse; replace if necessary. ◦ Perform a soft reset (locate the RST button, often a small pinhole, and press with a non-sharp object). ◦ If issues persist, contact customer support.
Bluetooth disconnects frequently or is hard to reconnect.	◦ Interference from other devices. ◦ Outdated firmware. ◦ Phone's Bluetooth issue. ◦ Incorrect pairing process.	◦ Ensure no other Bluetooth devices are actively connected to the phone or stereo. ◦ Update the stereo's firmware if available. ◦ Delete the pairing record from both the stereo and your phone, then re-pair. ◦ Restart both the stereo and your phone.

Problem	Possible Cause	Solution
Android Auto (wireless) not working, but wired connection is fine.	◦ Phone compatibility or settings. ◦ Wi-Fi/Bluetooth interference. ◦ App version issues.	◦ Ensure your phone supports wireless Android Auto and its settings are correctly configured. ◦ Verify the stereo's Wi-Fi and Bluetooth are enabled and not conflicting. ◦ Update the Android Auto app on your phone and the stereo's firmware. ◦ Try resetting network settings on your phone.
No sound from speakers.	◦ Volume too low or muted. ◦ Speaker wiring issues. ◦ Incorrect audio source selected. ◦ Amplifier issue (if external).	◦ Increase volume and check mute status. ◦ Verify speaker wire connections are secure and correct. ◦ Ensure the correct audio source (e.g., Radio, Bluetooth, USB) is selected. ◦ Check external amplifier power and connections if applicable.

9. SPECIFICATIONS

Feature	Detail
Brand	MekedeTech
Operating System	Android 10.0
Screen Size	7 inches
RAM	2GB (implied from image)
ROM	16GB (implied from image)
Connectivity Technology	Bluetooth, Wi-Fi (for online maps/updates)
Special Features	Built-in CarPlay, Built-in Android Auto, Built-in DSP, GPS Navigation, Steering Wheel Control Support, Split Screen Function
Audio Output Mode	Stereo
Audio Encoding	Stereo
Output Power	50 Watts

Feature	Detail
Compatible Devices	Smartphone
Supported Media Format	WAV (and others via Android OS)
Item Weight	2.58 Kilograms
Product Dimensions	25.2 x 25 x 17.9 cm

10. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. MekedeTech products typically come with a limited warranty covering manufacturing defects. If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact MekedeTech customer support or the seller from whom you purchased the product. Have your product model number and purchase details ready when contacting support.

Manufacturer: Shenzhen Mekede Technology Co.,Ltd

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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.

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