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## EZoneTronics RMCT-BENZ-ML05-2G16-IP

# EZoneTronics Android Car Stereo User Manual

Model: RMCT-BENZ-ML05-2G16-IP | Brand: EZoneTronics

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your EZoneTronics Android 10.1 2DIN Car Stereo. This unit features a 9-inch capacitive touchscreen, Android 10.1 operating system, GPS navigation, Bluetooth 4.0, Wi-Fi, AM/FM/RDS radio, and support for Mirror Link, Apple CarPlay, and Android Auto. Please read this manual thoroughly before using the product to ensure proper function and safety.

## 2. VEHICLE COMPATIBILITY

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This car stereo is designed for specific Mercedes-Benz models:

- Mercedes-Benz ML-W164 / ML300 / ML350 / ML450 / ML500 / ML320 / ML63 AMG (2005-2012)
- Mercedes-Benz GL-X164 / GL320 / GL350 / GL420 / GL450 / GL500 (2005-2012)

**Important Note:** If your vehicle is equipped with a Harman, Kardon, or BOSE amplification system, an additional fiber optic decoder box (e.g., ASIN B08K49SQSM) may be required for proper audio functionality. Consult a professional installer if you are unsure.

## 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- 1 x EZoneTronics Android Car Stereo Unit
- 1 x GPS Antenna
- 1 x Power Harness
- 1 x RCA Output Cable
- 2 x USB Adapters
- 1 x Camera Input Cable
- 1 x User Manual (this document)
- 1 x Canbus Box

## 4. SETUP AND INSTALLATION

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Installation of this car stereo requires technical knowledge and experience with automotive electrical systems. Professional installation is highly recommended to prevent damage to the unit or your vehicle.

### 4.1 Pre-Installation Check

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Confirm all package contents are present.
- Review your vehicle's wiring diagram for specific connections.

### 4.2 Installation Steps (General)

1. Carefully remove the original car stereo unit from your dashboard.
2. Connect the provided power harness to the vehicle's wiring. Ensure all connections are secure.
3. Connect the GPS antenna and route it to a location with a clear view of the sky (e.g., dashboard corner).
4. Connect the USB adapters and route them to an accessible location (e.g., glove compartment).
5. If installing a rear camera, connect the camera input cable and route it to the camera location.
6. Connect the RCA output cable for external amplifiers or subwoofers, if applicable.
7. Connect the Canbus box as per the wiring diagram to enable steering wheel controls and other vehicle-specific functions.
8. Carefully slide the new EZoneTronics unit into the dashboard opening.
9. Secure the unit in place.
10. Reconnect the vehicle battery and test the unit's functionality.



before installation



after installation

Figure 4.1: Comparison of the car dashboard before and after the EZoneTronics car stereo installation. The top image shows the new unit installed, while the bottom images show the original radio (left) and the new unit (right) for direct comparison.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually on the front panel) to turn the unit on or off. A short press typically mutes/unmutes audio.
- **Touchscreen:** The 9-inch capacitive touchscreen responds to touch gestures similar to a smartphone. Tap to select, swipe to scroll.
- **Home Screen:** The main interface provides access to various functions like Radio, Music, Navigation, Bluetooth, and Apps.

### 5.2 Radio (AM/FM/RDS)

The unit features a built-in AM/FM/RDS radio tuner for clear signal reception.

- **Accessing Radio:** Tap the 'Radio' icon on the home screen.
- **Scanning:** Use the 'Scan' or 'Seek' buttons on the screen to automatically search for available stations.

- **Saving Presets:** Once a station is tuned, press and hold a preset number button on the screen to save it.
- **RDS Function:** Radio Data System (RDS) displays station information like song title or program type where available.

# FM / AM / RDS Radio

Build in automotive level chipset to provide the best radio signal reception performance.

Enjoy the city best FM station and drive with the rhythm of the city.



**Figure 5.2:** The FM/AM/RDS Radio interface on the EZoneTronics car stereo, showing frequency display and preset buttons for easy station selection.

## 5.3 Bluetooth 4.0

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

- **Pairing:** Go to the 'Bluetooth' menu on the stereo. Enable Bluetooth on your phone and search for available devices. Select 'EZoneTronics' (or similar name) and confirm the pairing code.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly from the stereo screen. Your phone's contact list may sync automatically.
- **Audio Streaming (A2DP):** Play music from your phone through the car stereo speakers. Control playback (play/pause, skip) from the stereo.

# Build-in Bluetooth 4.0

Users can share the music from the mobile phone to the radio through bluetooth 4.0  
Answer the phone by hands free while navigation.  
It greatly reduce the risk of driving and never miss the next import turn.



Phone Video



Dail-up Phone



Hang-up Phone



Phone Music

**Figure 5.3:** The Bluetooth 4.0 interface showing music playback controls and icons for phone video, dial-up, hang-up, and phone music functions.

## 5.4 GPS Navigation

The unit includes an integrated GPS receiver and comes with Google Maps pre-installed. Other navigation apps can be downloaded from the Google Play Store.

- **Online Navigation:** Connect to Wi-Fi to use online maps and real-time traffic information.
- **Offline Navigation:** Download offline map data for specific regions via Wi-Fi for navigation without an internet connection.
- **Using Navigation Apps:** Tap the 'Navigation' icon to launch the default map application. Follow on-screen prompts to enter destinations and start routes.

# GPS Navigation

Users can purchase directly from store for offline navigation with wifi connected, Google Maps can be used perfectly



Figure 5.4: The GPS Navigation screen showing a map with a highlighted route and estimated travel time.

## 5.5 Apple CarPlay & Android Auto

The unit supports both wireless Apple CarPlay and wired Android Auto, allowing seamless integration with your smartphone.

- **Apple CarPlay (Wireless):** Connect your iPhone via Bluetooth and Wi-Fi. Follow the on-screen prompts to enable CarPlay.
- **Android Auto (Wired):** Connect your Android phone via a USB cable. Ensure Android Auto is installed on your phone.
- **Features:** Access phone calls, messages, music, and navigation apps directly from the car stereo interface, optimized for driving.

## 5.6 Mirror Link

Mirror Link allows you to display your smartphone's screen directly on the car stereo.

- **For iOS Devices:** Supports AirPlay mirroring wirelessly.
- **For Android Devices:** Connect via a USB cable.
- **Activation:** Select the 'Mirror Link' app on the stereo and follow the instructions for your specific phone model.

# Support Mirror Link

Support airplay mirroring for IOS device  
connect to android device via USB cable



Figure 5.6: The Mirror Link function showing a smartphone screen mirrored onto the car stereo display.

## 5.7 Split Screen Function

The Android 10.1 system supports multitasking, allowing you to run two applications simultaneously on the screen.

- **Activation:** While one app is open, press and hold the recent apps button (or swipe up from the bottom and hold, depending on the Android version) and drag another compatible app to the other half of the screen.
- **Usage:** For example, you can use navigation on one side and play music or radio on the other.

# Split Screen Function

Android 10.1 System provides the Multi-task Function  
Users can operate on radio/music/video while using navigation

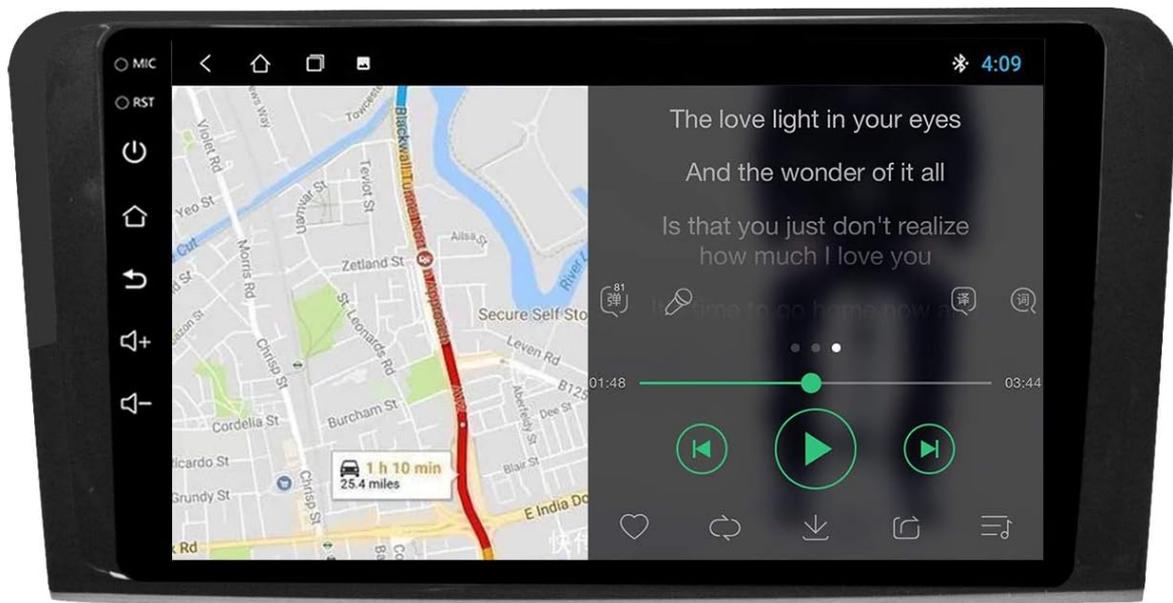


Figure 5.7: The Split Screen function in action, showing a navigation map on one side and a music player on the other, enabling multitasking.

## 5.8 Digital Sound Processor (DSP) / Equalizer

Customize your audio experience with the built-in 14-band equalizer and sound processor.

- **Accessing EQ:** Tap the 'Equalizer' or 'Sound Settings' icon from the home screen or audio playback interface.
- **Adjustments:** Adjust individual frequency bands (bass, treble, mid-range) to your preference.
- **Presets:** Select from various pre-defined sound modes (e.g., Pop, Rock, Classic, Jazz) or create custom profiles.
- **Volume/Fader/Balance:** Control overall volume, and adjust audio distribution between front/rear and left/right speakers.

# Build in Digital Sound Processor System

A Great Live Sound Cinema in Your Car 14Band EQ  
Adjustable to meet user sound demand

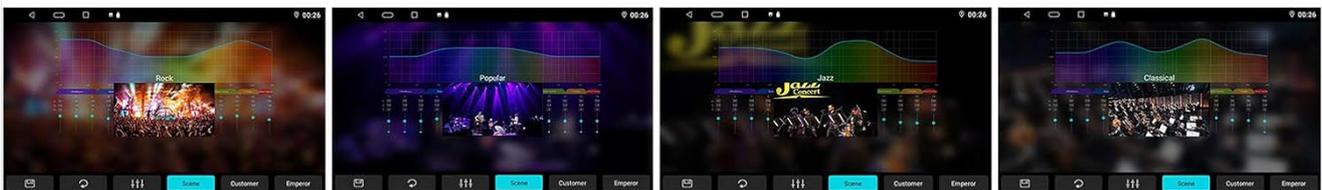


Figure 5.8: The Digital Sound Processor (DSP) system interface, showing a 14-band equalizer for precise audio adjustments.

## 5.9 Multimedia Playback (USB)

Play audio and video files from USB storage devices.

- **Connecting USB:** Insert a USB drive into one of the provided USB ports.
- **Accessing Files:** The unit will automatically detect the USB device. Navigate to the 'Music' or 'Video' app to browse and play files.
- **Supported Formats:** The unit supports various audio and video formats, including high-definition 1080P video.

# Music & High definition 1080P

Full capacitive touch screen for easy operation. Well designed user interface for car only. You can enjoy music from mobilephone without any cables. And also support & USB connection.



Figure 5.9: The car stereo displaying high-definition 1080P video content, demonstrating its multimedia playback capabilities.

## 6. MAINTENANCE

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

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Wipe the unit's exterior with a soft, dry cloth. Avoid getting liquids into openings.
- **Software Updates:** Periodically check for available software updates through the unit's settings menu (requires Wi-Fi connection) to ensure optimal performance and access to new features.
- **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

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If you encounter issues with your EZoneTronics car stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery disconnected.	Check power connections and fuses. Ensure battery is connected. Consult a professional installer.
No sound.	Volume too low, mute activated, incorrect speaker wiring, fiber optic box needed.	Increase volume, check mute status. Verify speaker connections. If your car has a premium sound system, ensure a fiber optic decoder box is installed.
GPS signal is weak or not found.	GPS antenna not properly installed or obstructed.	Ensure the GPS antenna is placed in a location with a clear view of the sky and is securely connected.
Bluetooth connection issues.	Phone not in pairing mode, incorrect pairing code, interference.	Ensure Bluetooth is enabled on both devices and in pairing mode. Re-pair the devices. Restart both the stereo and phone.
Steering wheel controls not working.	Canbus box not connected or configured correctly.	Verify the Canbus box connection and ensure it is properly configured in the unit's settings. Refer to installation instructions.
Touchscreen unresponsive or slow.	Temporary software glitch, excessive background apps.	Restart the unit. Close unnecessary background applications. If the issue persists, perform a factory reset (note: this will erase all user data).

## 8. SPECIFICATIONS

Key technical specifications of the EZoneTronics Android Car Stereo:

Feature	Specification
Model Number	RMCT-BENZ-ML05-2G16-IP
Operating System	Android 10.1
Screen Size	9 inches LCD
Screen Type	Capacitive Touchscreen
Resolution	1024 x 600 pixels
Processor	Quad Core 1.3G
RAM	2GB DDR3
Internal Storage	32GB Flash Memory
Connectivity	Bluetooth 4.0 (A2DP, Hands-free), Wi-Fi, USB (2 rear inputs)
GPS Receiver	Built-in, compatible with Waze, Google Maps, etc.
Radio Tuner	AM/FM/RDS
Audio Output	4 x 45W Power Output, 2.1 Channel RCA/Sub Output

Feature	Specification
Video Input	1 Channel (for rear camera)
Audio Input	2 Channel
Special Features	Steering Wheel Control, Mirror Link, CarPlay, Android Auto, Multi-EQ Presets, Spotify, Digital Sound Processor
Product Dimensions (L x W x H)	32 x 26 x 13 cm
Weight	1.38 kg

## 9. WARRANTY AND SUPPORT

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### 9.1 Product Warranty

This EZoneTronics car stereo comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

### 9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact our support team:

- **Email:** [sales2@rhythmhk.com](mailto:sales2@rhythmhk.com)

When contacting support, please provide your product model number (RMCT-BENZ-ML05-2G16-IP) and a detailed description of the issue.