

## CAMECHO Android 11 Autoradio for BMW 1 Series E88 E82 E81 E87

# CAMECHO Android 11 Autoradio Instruction Manual

Model: For BMW 1 Series E88 E82 E81 E87

Brand: CAMECHO

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your CAMECHO Android 11 Autoradio. Please read this manual thoroughly before using the product to ensure proper function and safety. This unit is designed for specific BMW 1 Series models.

## 2. APPLICABLE MODELS

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This CAMECHO Android 11 Autoradio is compatible with the following BMW 1 Series models:

- For BMW E81 118d / 130i / 118i / 120i (2006-2011)
- For BMW E81 116i / 120d / 123d (2007-2011)
- For BMW E81 116d (2008-2011)
- For BMW E87 116d (2011)
- For BMW E87 116i (2004-2011)
- For BMW E87 118d/118i / 120d / 120i (2004-2011)
- For BMW E87 130i (2005-2011)

# Applicable Models

For BMW E81 118d / 130i / 118i / 120i (2006-2011)

For BMW E81 116i / 120d / 123d (2007-2011)

For BMW E81 116d (2008-2011)

For BMW E87 116d (2011)

For BMW E87 116i (2004-2011)

For BMW E87 118d/118i / 120d / 120i (2004-2011)

For BMW E87 130i (2005-2011).

## Installation Display



Figure 2.1: List of compatible BMW 1 Series models.

### 3. PRODUCT SPECIFICATIONS

Table 3.1: Technical Specifications

Feature	Specification
Operating System	Android 11
Screen Size	9 inches
Memory (RAM + ROM)	1GB RAM + 16GB ROM
Screen Resolution	1024*600
Output Power	4 * 45 W

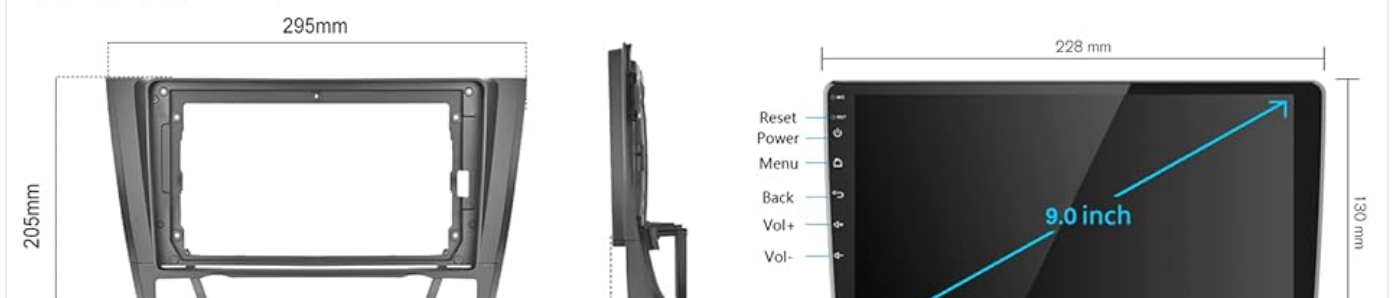
Feature	Specification
Navigation	Integrated offline maps (requires internet for data download)
USB Ports	Two ports
Audio Formats	APE/FLAC/WAV/MP3/WMA, etc.
Video Formats	MKV/RMVB/AVI/MP4/MDV, etc.
Image Formats	PNG/JPEG/JPG/GIF/WBMP/BNP, etc.
Factory Settings Password	8888
Bluetooth Pairing Password	0000
Connectivity Technology	Bluetooth, USB
Special Features	9-inch HD touchscreen, integrated navigation, Bluetooth, rearview camera support, MirrorLink, app support, advanced audio processing
Compatible Devices	Smartphone, tablet, speaker
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1

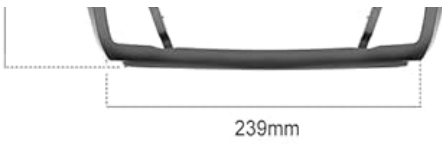
## 4. PACKAGE CONTENTS

The product package includes the following items:

- Radio Unit ×1
- Power Cable ×1
- Antenna Adapter ×1
- Original USB Cable ×1
- Radio Antenna ×1
- Conversion Cable ×1
- Canbus ×1
- Rearview Camera (AHD) ×1
- External Microphone ×1
- Installation Frame (Black) ×1

## Product Size





239mm



65mm

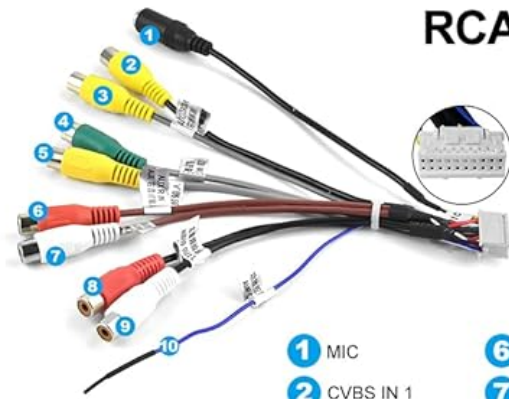


218 mm

## Interface Description

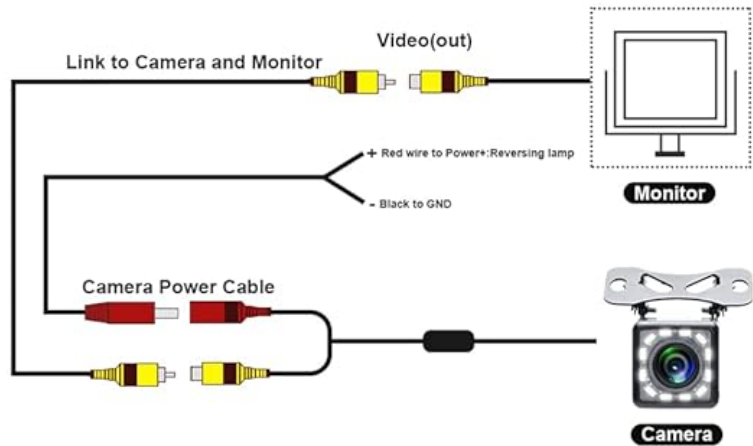


## RCA Cable



- 1 MIC
- 2 CVBS IN 1
- 3 VIDEO OUT
- 4 SUB WOOFER
- 5 VIDEO IN
- 6 AUX R IN
- 7 AUX L IN
- 8 AUDIO OUT R
- 9 AUDIO OUT L
- 10 AMP CONT

## Camera Wiring Method



## Accessories

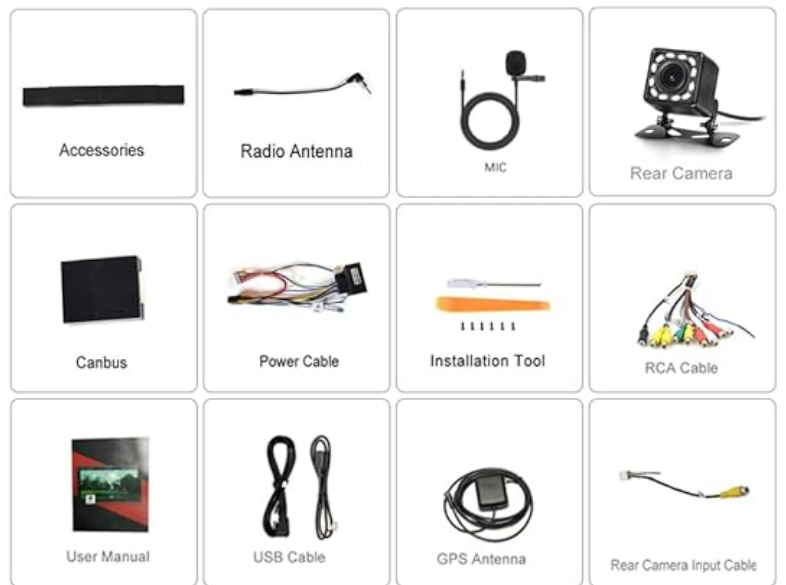


Figure 4.1: Overview of included accessories and cables.

## 5. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your autoradio. It is recommended that installation be

performed by a qualified professional.

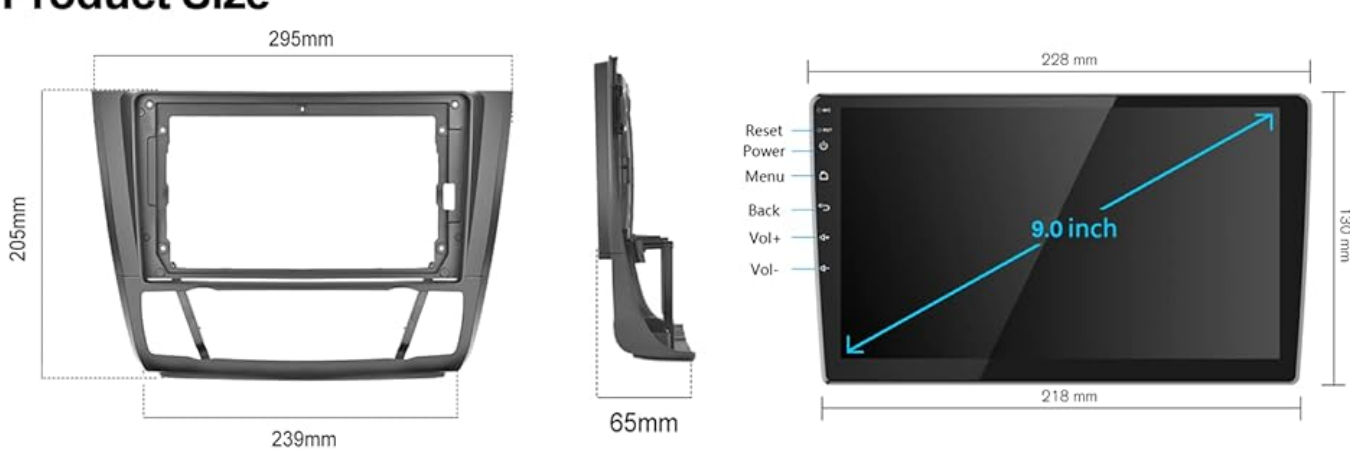
## 5.1. Pre-Installation Check

Before starting the installation, ensure all components listed in the package contents are present and undamaged. Disconnect the vehicle's battery to prevent electrical shorts.

## 5.2. Wiring Diagram

Refer to the following diagrams for connecting the power, audio, and accessory cables.


### Product Size



295mm  
205mm  
239mm  
65mm  
228 mm  
218 mm  
130 mm  
9.0 inch

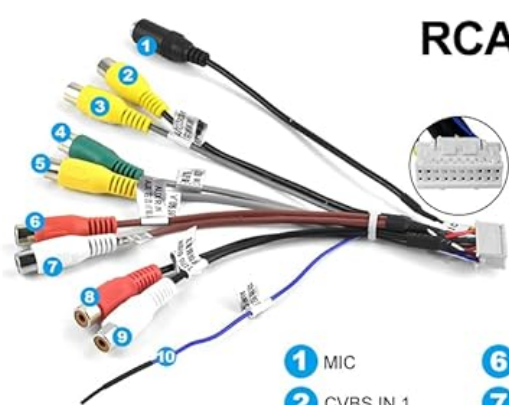
Reset  
Power  
Menu  
Back  
Vol+  
Vol-

### Interface Description



power  
AV  
GPS  
USB1  
USB2  
Backup Camera

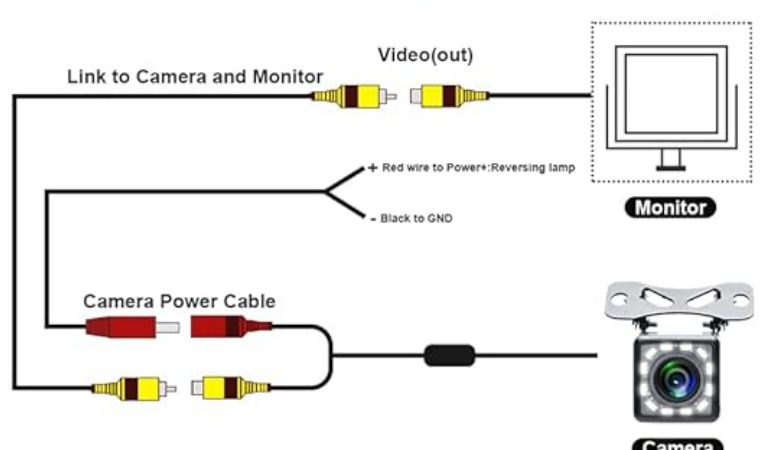
### RCA Cable



1  
2  
3  
4  
5  
6  
7  
8  
9  
10


1 MIC	6 AUX R IN
2 CVBS IN 1	7 AUX L IN
3 VIDEO OUT	8 AUDIO OUT R
4 SUB WOOFER	9 AUDIO OUT L
5 VIDEO IN	10 AMP CONT

### Camera Wiring Method



Video(out)  
Link to Camera and Monitor  
+ Red wire to Power+Reversing lamp  
- Black to GND  
Monitor  
Camera

### Accessories



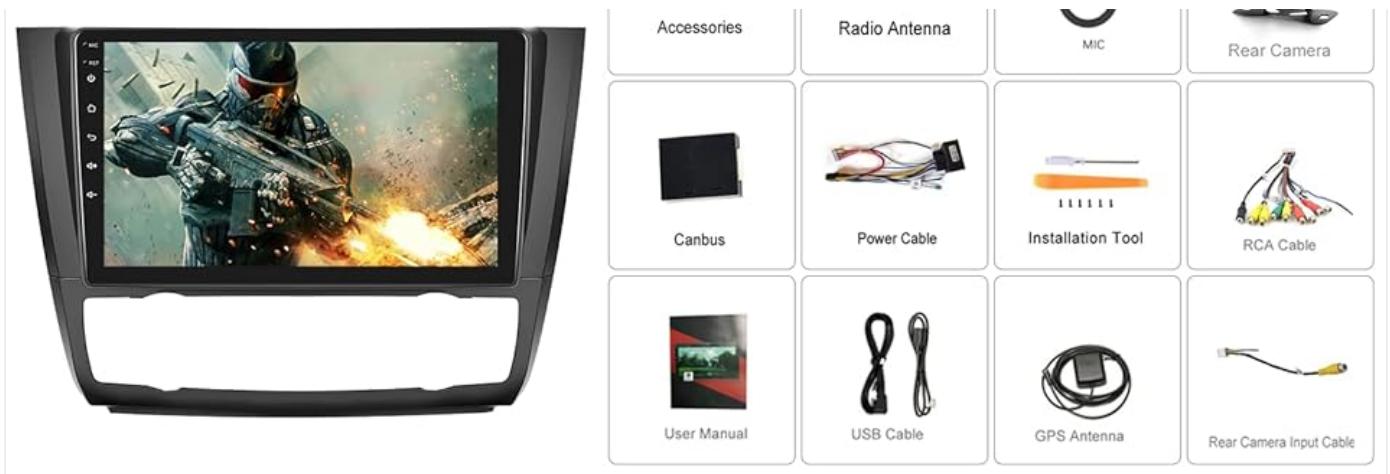


Figure 5.1: Interface description and RCA cable connections.

**Power Connection:** Connect the main power harness to the vehicle's wiring. Ensure correct polarity.

**USB Connections:** Two USB ports are available for external devices. Connect the provided USB cables.

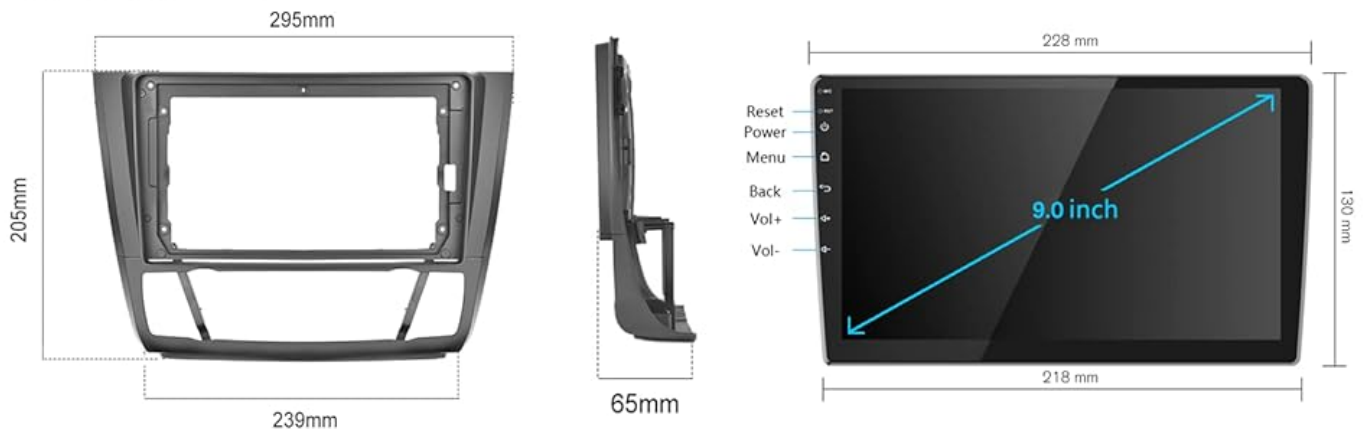
**GPS Antenna:** Connect the GPS antenna and mount it in a location with a clear view of the sky for optimal signal reception.

**Radio Antenna:** Connect the radio antenna adapter to the vehicle's antenna cable.

### 5.3. Rear Camera Wiring

The included AHD rearview camera requires specific wiring for automatic activation when reversing.

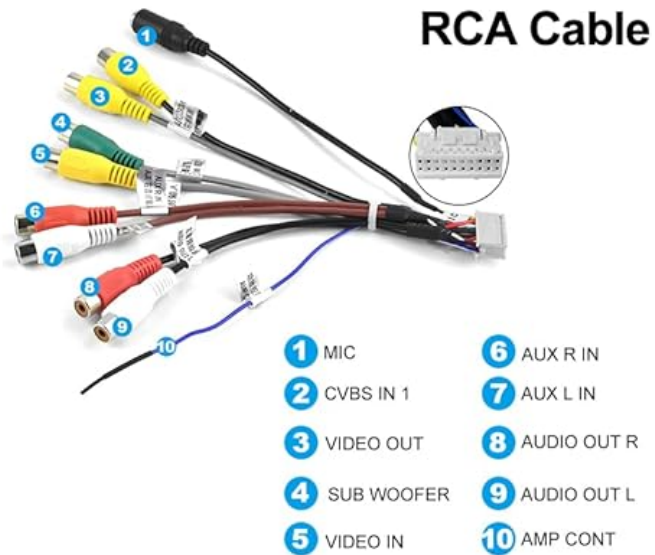
## Product Size



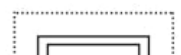
## Interface Description



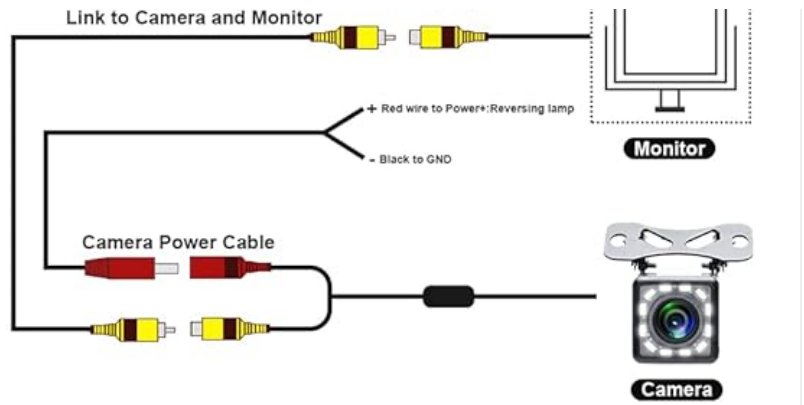
## RCA Cable



Video(out)



## Camera Wiring Method



## Accessories

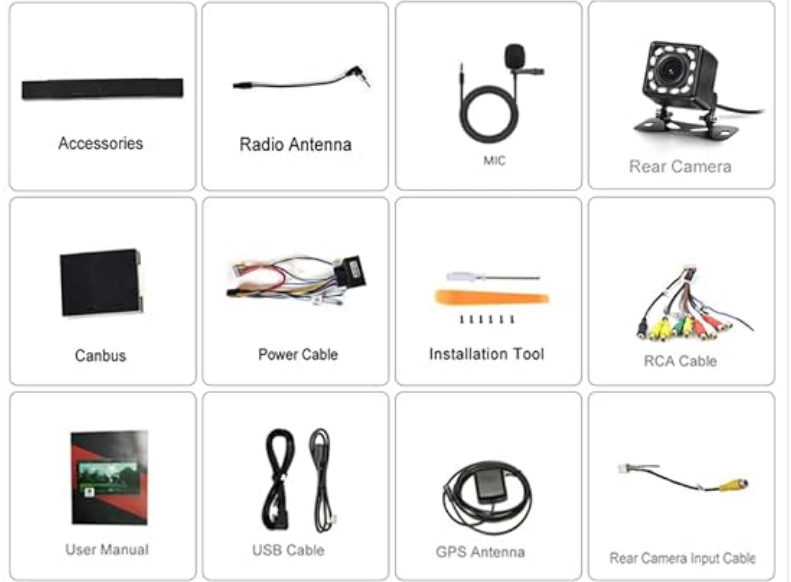


Figure 5.2: Rear camera wiring method.

- Connect the camera's video output to the "Backup Camera" input on the autoradio.
- Connect the camera's power cable to the vehicle's reverse lamp power supply. This ensures the camera activates when reverse gear is engaged.
- Ensure the camera is mounted securely and provides a clear view of the rear.

### 5.4. Installation Display

The following image illustrates the appearance of the vehicle's dashboard before and after the autoradio installation.

# Applicable Models

For BMW E81 118d / 130i / 118i / 120i (2006-2011)

For BMW E81 116i / 120d / 123d (2007-2011)

For BMW E81 116d (2008-2011)

For BMW E87 116d (2011)

For BMW E87 116i (2004-2011)

For BMW E87 118d/118i / 120d / 120i (2004-2011)

For BMW E87 130i (2005-2011).

## Installation Display



Figure 5.3: Before and after installation view of the autoradio.

## 6. OPERATING INSTRUCTIONS

### 6.1. Power On/Off

The unit will typically power on automatically when the vehicle's ignition is turned on. To manually power off, press and hold the power button on the unit or use the software interface.

### 6.2. GPS Navigation

The autoradio comes with integrated offline maps. To use navigation, ensure the GPS antenna is properly connected. For updated map data or online navigation, an internet connection is required.





Figure 6.1: GPS Navigation interface.

You can download additional navigation software like WAZE, NAVFREE, or Google Maps from the app store once connected to Wi-Fi.

### 6.3. Wi-Fi Connection

Connect the autoradio to a Wi-Fi network (e.g., your smartphone's hotspot) to access online features, download apps, and update maps.



Figure 6.2: Wi-Fi connection and app display.

#### 6.4. Bluetooth Hands-Free

Pair your smartphone via Bluetooth for hands-free calling and audio streaming. The default Bluetooth pairing password is **0000**.



Figure 6.3: Bluetooth interface for calls and music.

- Go to the Bluetooth settings on the autoradio.
- Enable Bluetooth on your smartphone and search for available devices.
- Select the autoradio from the list and enter the pairing password if prompted.
- Once connected, you can make/receive calls and play music through the car speakers.

### 6.5. FM/RDS Radio

Access the FM/RDS radio function to listen to your favorite stations. The RDS (Radio Data System) provides additional information like station name and song title.



Figure 6.4: FM/RDS Radio interface.

## 6.6. Wireless CarPlay and Android Auto

The unit supports wireless Apple CarPlay and Android Auto. Connect your smartphone via Wi-Fi or the original USB cable to access navigation, contacts, messages, and music directly on the autoradio screen.

- **For Apple CarPlay:** Compatible with iOS 15 and higher.
- **For Android Auto:** Compatible with Android 11 and higher.

## 6.7. Mirror Link

Mirror Link allows you to display your smartphone's screen on the autoradio. This feature supports both iOS and Android devices.



Figure 6.5: Mirror Link feature in action.

- **iOS System:** Connect via Wi-Fi.
- **Android System:** Connect via Wi-Fi or USB cable.

### 6.8. Split Screen Function

Utilize the split-screen function to run two applications simultaneously, such as navigation and music playback.

# Split Screen Function



# Steering Wheel Controls



Figure 6.6: Split Screen Functionality.

## 6.9. Steering Wheel Controls

The autoradio supports original steering wheel controls via the included Canbus. This allows you to control audio volume, track changes, and other functions without taking your hands off the wheel.

# Split Screen Function



# Steering Wheel Controls



Figure 6.7: Steering Wheel Controls setup interface.

To configure steering wheel controls, navigate to the "Steering Learn" menu in the settings. The factory settings password is **8888**.

## 6.10. AHD Rear Camera

The included AHD rearview camera provides a clear view behind your vehicle. When you shift into reverse gear, the system automatically displays the camera feed on the screen.



Figure 6.8: AHD Rear Camera display.

The camera features night vision, a 120° wide-angle view, and IP69 waterproofing for reliable performance in various conditions.

### 6.11. Optional Functions

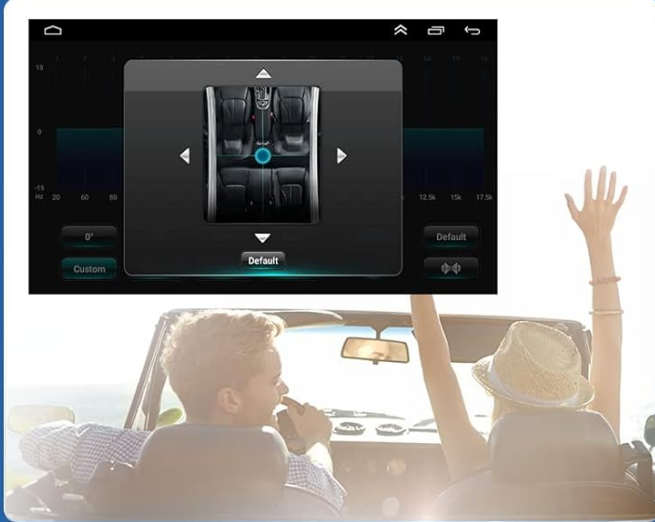
The autoradio supports various external functions that can be added by purchasing and installing additional accessories:

- **OBD2:** For vehicle diagnostics.
- **DAB+:** For digital audio broadcasting.
- **DVR:** For dash camera recording.
- **External USB Interface:** For additional USB connectivity.



# EQ

# Split Screen Function



## Optional Function



USB Interface



OBD



USB Recorder



DAB



Internal Mico



Rear Camera

Figure 6.9: Optional functions and accessories.

## 7. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates via Wi-Fi to ensure optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## 8. TROUBLESHOOTING

Table 8.1: Common Issues and Solutions

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
Unit does not power on.	Check power cable connections and vehicle's fuse box. Ensure the vehicle's ignition is on.
No sound.	Check speaker wiring. Ensure volume is not muted or set too low. Verify audio source selection.
GPS signal weak or inaccurate.	Ensure GPS antenna is properly connected and mounted in a clear location. Update map data if necessary.
Bluetooth pairing fails.	Ensure Bluetooth is enabled on both devices. Try restarting both devices. Default pairing password is <b>0000</b> .
Steering wheel controls not working.	Verify Canbus connection. Access "Steering Learn" menu in settings (password <b>8888</b> ) and configure controls.
Rear camera not displaying.	Check camera wiring, especially the connection to the reverse lamp. Ensure the camera is powered.
Time/Date incorrect.	Connect to Wi-Fi to allow automatic time synchronization or manually set the time in system settings.

If you encounter issues not listed here, please refer to the support section for assistance.

## 9. WARRANTY INFORMATION

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This CAMECHO Autoradio comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

For detailed warranty terms and conditions, please contact CAMECHO customer support.

## 10. SUPPORT

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For technical assistance, troubleshooting, or any questions regarding your CAMECHO Android 11 Autoradio, please contact our customer support team:

- **Email:** [CAMECHOVIP@126.com](mailto:CAMECHOVIP@126.com)

Our professional customer service team is available to assist you.



## **About Us**

CAMECHO ist ein weltweites Automobil-Elektronik globale Marke, hat in der Auto-Stereo und Backup-System seit 2014 spezialisiert, speziell für Besitzer, um ihre Fahrzeuge mit dem neuesten in der Audio-, Applizierung und Technologie, verfolgt eine bessere Erfahrung in Bezug auf Klang, Betrieb, eine intelligentere Auto-Stereo und smaerter Rückansicht, die Bereitstellung von hochwertigen Kfz-intelligente Terminals.

Figure 10.1: CAMECHO Customer Support.