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› [REAKOSOUND](#) /

› REAKOSOUND 7-Inch Touchscreen Car Radio User Manual

REAKOSOUND RK-7168B

REAKOSOUND 7-Inch Touchscreen Car Radio User Manual

Model: RK-7168B | Brand: REAKOSOUND

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your REAKOSOUND 7-inch touchscreen car radio. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Improper installation can lead to damage to the device or vehicle. Consult a professional if you are unsure about any steps.

- Do not operate the device in a way that distracts you from driving.
- Ensure all wiring is correctly connected to prevent short circuits or electrical hazards.
- Avoid exposing the unit to extreme temperatures, direct sunlight, or moisture.
- Do not attempt to disassemble or modify the unit. This will void the warranty.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- REAKOSOUND 7-inch Touchscreen Car Radio Unit
- Rear View Camera
- DAB+ Antenna
- ISO Power Cable Harness
- Remote Control
- User Manual (this document)
- Mounting Brackets and Screws (may vary)

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and interfaces of your car radio.



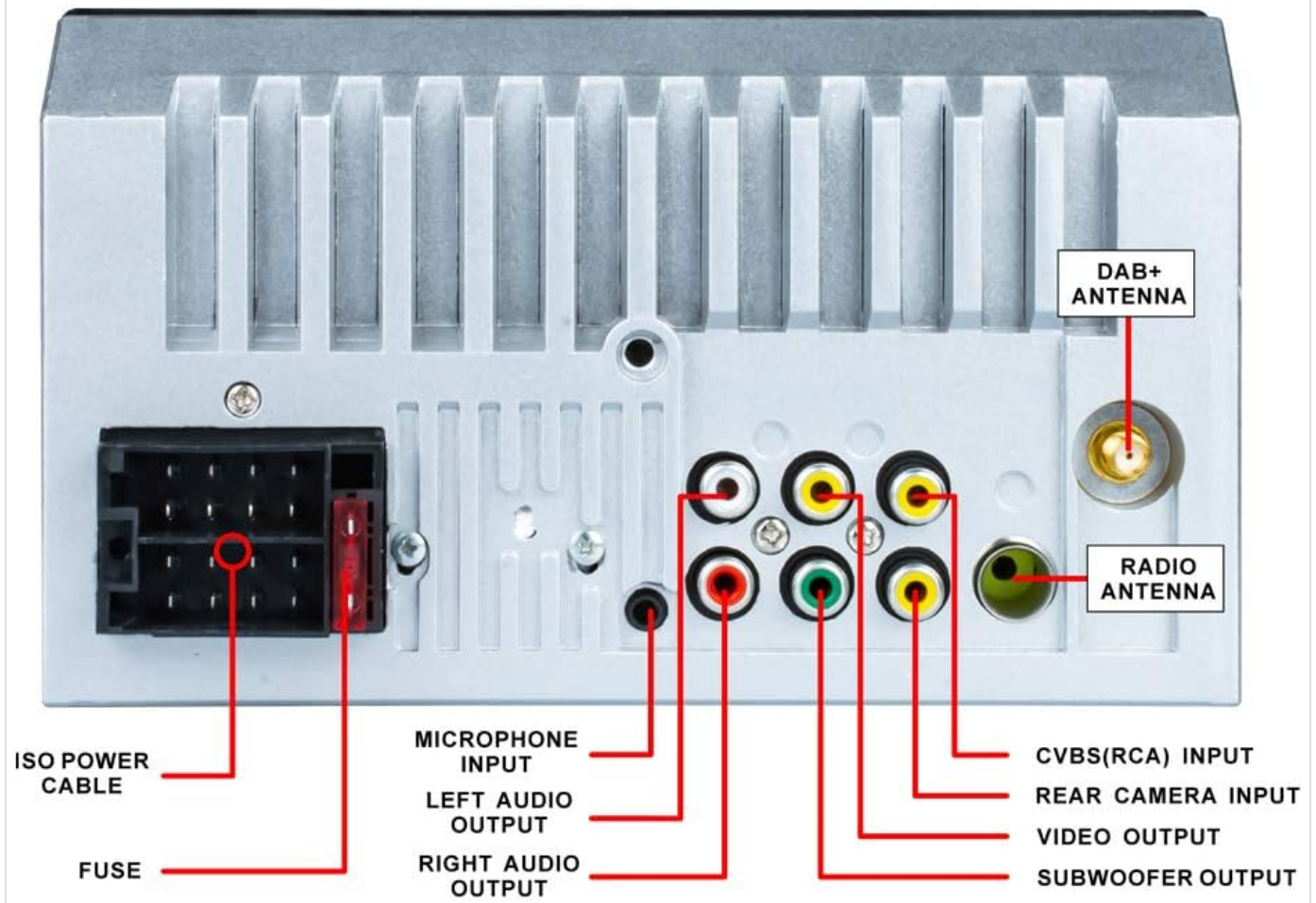
This image displays the REAKOSOUND 7-inch touchscreen car radio unit alongside the compact rear view camera, highlighting the primary components of the product package.

4.1 Front Panel Features

- **7-inch TFT HD Touchscreen:** Main display for all functions.
- **USB 2.0 Port:** For media playback and charging.
- **TF Card Slot:** For media playback (supports up to 32GB).
- **AUX Input:** 3.5mm jack for external audio devices.
- **Volume Knob:** Controls audio output level.
- **Microphone (Built-in):** For hands-free calling.

4.2 Rear Panel Interfaces

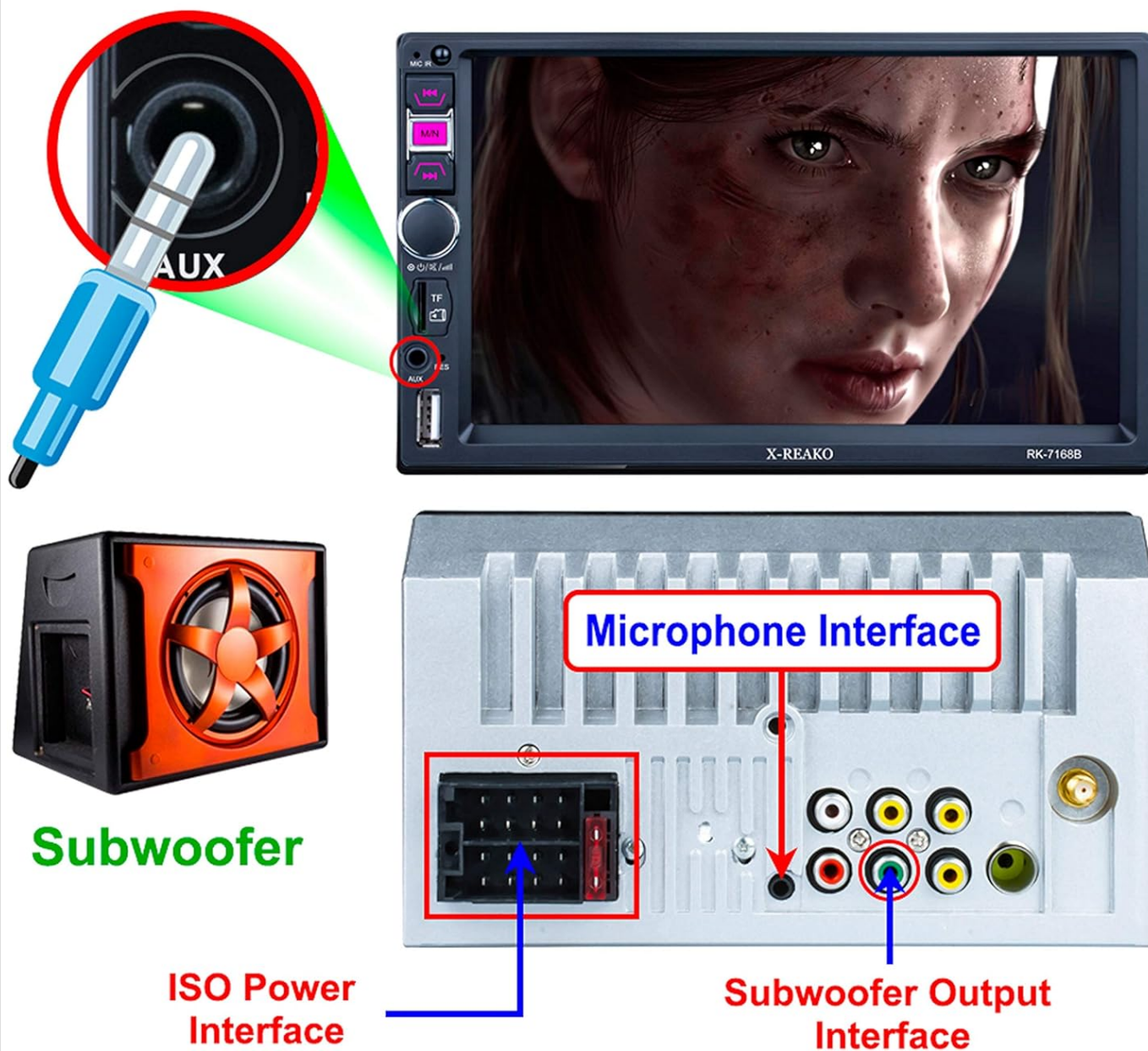
Rear Interface Definition



This diagram labels all the ports and connectors on the rear panel of the car radio, including ISO power cable, microphone input, audio outputs (left/right), video output, rear camera input, and DAB+ and radio antenna inputs.

- **ISO Power Cable Connector:** For main power and speaker connections.
- **Microphone Input:** For external microphone (if applicable).
- **Left/Right Audio Output (RCA):** For connecting external amplifiers.
- **Video Output (RCA):** For connecting external monitors.
- **Rear Camera Input (RCA):** For connecting the included rear view camera.
- **DAB+ Antenna Input:** For connecting the DAB+ antenna.
- **Radio Antenna Input:** For connecting the FM/AM antenna.
- **Subwoofer Output (RCA):** For connecting an external subwoofer.

AUX Input & Subwoofer & ISO Interface & Rear Microphone interface



This image details the various audio input and output interfaces of the car radio, including the AUX input jack, subwoofer output interface, and the external microphone interface, along with the ISO power interface.

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your car radio. Refer to the wiring diagrams carefully.

5.1 Dimensions

Before installation, ensure your vehicle's dashboard opening is compatible with the unit's dimensions.

Dimension

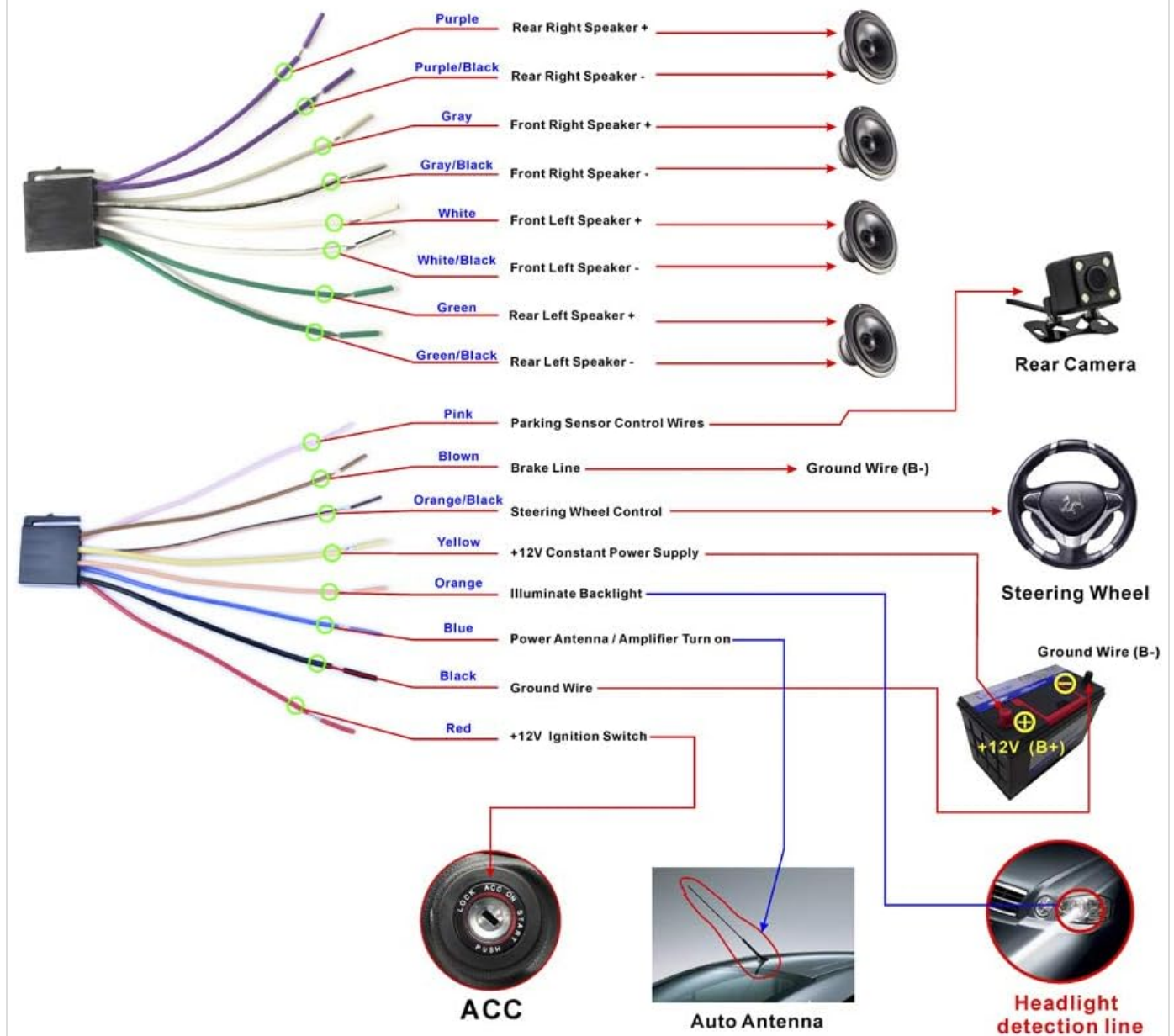


This image provides a detailed dimensional drawing of the car radio unit, showing its width (178mm), height (104mm), and depth (65mm), crucial for installation planning.

5.2 Wiring Connections

Connect the included ISO power cable harness to your vehicle's wiring. Ensure correct polarity and secure connections to prevent damage.

ISO Power Cable Definition



This comprehensive diagram illustrates the wiring connections for the ISO power cable, detailing connections for speakers, rear camera, steering wheel control, power supply, and ignition, essential for proper installation.

- **Power Wires:**

- Yellow: +12V Constant Power Supply (B+)
- Red: +12V Ignition Switch (ACC)
- Black: Ground Wire (B-)
- Orange: Illuminate Backlight (connect to vehicle's illumination wire)

- **Speaker Wires:** Connect to corresponding vehicle speakers (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right).
- **Steering Wheel Control (SWC):** Connect Orange/Black and Yellow wires to your vehicle's SWC wires.
- **Brake Line (Pink):** Connect to the vehicle's parking brake signal for video playback safety.
- **Parking Sensor Control Wires (Brown):** If applicable, connect to parking sensor system.

5.3 Rear View Camera Installation

Connect the included rear view camera to the "REAR CAMERA INPUT" (CVBS/RCA INPUT) on the back of the unit. Ensure the camera's power wire is connected to the vehicle's reverse light power for automatic activation when reversing.

Rear View Function



This diagram demonstrates the rear view camera's functionality, displaying how the camera provides a wide-angle view behind the vehicle with superimposed parking guidelines to assist with safe reversing.

5.4 DAB+ Antenna Installation

Connect the DAB+ antenna to the dedicated DAB+ antenna input on the rear of the unit. Position the antenna according to its specific instructions for optimal signal reception.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the power button (usually the volume knob) to turn the unit on or off.
- **Volume Control:** Rotate the volume knob to adjust the audio level.
- **Mute:** Briefly press the volume knob to mute/unmute the audio.

- **Home Screen:** Tap the "Home" icon on the touchscreen to return to the main menu.
- **OSD Languages:** Navigate to settings to select your preferred display language.

6.2 Radio (FM/DAB+)

FM / DAB+ Radio



DAB+



FM

This image illustrates the user interface for the FM and DAB+ radio functions, demonstrating how to switch between modes and view station information. It also shows the distinct icons for DAB+ and traditional FM radio.

- **Switching Modes:** From the main menu, select the "Radio" or "DAB+" icon.
- **FM Radio:**
 - **Auto Scan:** Press the "Scan" button to automatically search and save available FM stations.
 - **Manual Tuning:** Use the arrow buttons to manually tune to frequencies.
 - **Presets:** Save your favorite stations to preset buttons for quick access.
- **DAB+ Radio:**
 - **Station List:** The unit will automatically scan for DAB+ stations and display a list.
 - **Selecting Stations:** Tap on a station name from the list to listen.
 - **Seamless Switching:** The unit supports seamless switching between DAB and FM for continuous listening.

BT Phone & BT Music



This image highlights the Bluetooth capabilities of the car radio, including hands-free calling with a phone interface on the screen and Bluetooth music streaming, indicated by a person singing on the display.

• Pairing:

- Enable Bluetooth on your mobile device.
- On the car radio, select the "Bluetooth" icon from the main menu.
- Search for available devices on your phone and select "REAKOSOUND" (or similar name).
- Confirm the pairing code if prompted.

• Hands-Free Calling:

- Once paired, you can make and receive calls directly through the car radio.
- Use the touchscreen dial pad or access your phone's contacts (if synced).
- Audio will play through your car speakers, and the built-in microphone will pick up your voice.

- **Bluetooth Music (A2DP):**
 - Stream audio from your paired device to the car radio.
 - Control playback (play/pause, skip tracks) from the car radio's touchscreen.

6.4 Media Playback (USB/SD/AUX)

- **USB/SD Playback:**
 - Insert a USB drive into the USB port or an SD card into the TF card slot.
 - The unit will automatically detect and display media files.
 - Supports various audio (MP1, MP2, MP3, WMA, WAV, FLAC, APE, etc.) and video formats (RM, RMVB, DVD, VCD, MP4, AVI, etc.).
 - Supports up to 1080P video playback.
- **AUX Input:**
 - Connect an external audio device (e.g., MP3 player, smartphone) to the 3.5mm AUX input jack.
 - Select "AUX" from the main menu to switch to AUX input mode.

6.5 Rear View Camera Function

- When the vehicle is shifted into reverse gear, the car radio will automatically display the rear view camera feed on the screen.
- Parking guidelines will be superimposed on the video feed to assist with parking maneuvers.

6.6 Steering Wheel Control (SWC)

- If properly wired, you can program and use your vehicle's existing steering wheel controls to operate the car radio (e.g., volume up/down, track skip, mode change).
- Refer to the unit's settings menu for SWC learning/programming options.

7. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air for vents and ports.
- **Temperature:** Avoid exposing the unit to extreme hot or cold temperatures for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Loose connection.	Check power wiring (Yellow, Red, Black). Inspect vehicle's fuse box and the unit's fuse. Ensure all connections are secure.
No sound	Speaker wires disconnected; Volume too low; Mute activated; Incorrect audio source.	Check speaker wiring. Increase volume. Deactivate mute. Select correct audio source (FM, USB, AUX, BT).

Problem	Possible Cause	Solution
Bluetooth not connecting	Device not in pairing mode; Incorrect pairing procedure; Interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and try again. Move closer to the unit.
Rear camera not displaying	Camera not powered; Video cable loose; Incorrect input selected.	Check camera power connection (to reverse light). Ensure RCA video cable is securely connected to "REAR CAMERA INPUT".
Poor radio reception	Antenna not connected; Poor antenna placement; Weak signal area.	Ensure antenna is securely connected. Adjust antenna position. Try auto-scanning for stations again.

9. SPECIFICATIONS

Feature	Specification
Model Number	RK-7168B
Screen Size	7 Inch TFT HD Touchscreen
Output Wattage	180 Watt
Audio Output Mode	Stereo, Mono, Surround
Surround Sound Configuration	5.1
Connectivity	USB, Bluetooth, AUX, TF Card
Radio Tuner	FM (87.5-108.00 MHz), DAB+
Video Support	1080P, RM/RMVB/DVD(VOB)/VCD(DAT)/MP1/MP2/DIVX/XVID/MP4/H263/H264/FLV/3GP/SWF/AVI/ASF/MFPEG etc.
Audio Support	RM/RMVB/DVD(VOB)/VCD(DAT)/MP1/MP2/DIVX/XVID/MP4/H263/H264/FLV/3GP/SWF/AVI/ASF/MFPEG etc.
USB/SD Card Support	Up to 32GB
Dimensions (approx.)	178mm (W) x 104mm (H) x 65mm (D)

10. WARRANTY AND SUPPORT

REAKOSOUND products are designed for reliability and performance. For any questions or assistance with your product, please contact REAKOSOUND customer support. Refer to your purchase documentation for specific warranty terms and contact information.

Note: Due to the complexity of car types and Bluetooth systems, please ensure to check the detailed wiring diagram

provided and correctly connect the wiring supplied with our radio to your car's wiring parameters. If you have any questions, please feel free to contact us, and we will help you solve the problem.