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> Podofo 7-inch 2DIN Android Car Radio User Manual (8-Core, 8GB RAM, 128GB ROM)

podofo 0a853c5f-d12b-4d1e-9e95-d76fc4963eeb

Podofu 7-inch 2DIN Android Car Radio User Manual

Model: 0a853c5f-d12b-4d1e-9e95-d76fc4963eeb

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Podofu 7-inch 2DIN Android Car Radio. Please read this manual thoroughly before using the device to ensure proper functionality and safety. Keep this manual for future reference.



Image 1.1: Podofu 7-inch 2DIN Android Car Radio overview.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended to prevent damage to the device or vehicle.
- **Power Supply:** Ensure the car radio is connected to a 12V DC power supply with negative grounding.
- **Wiring:** Incorrect wiring can cause damage. Refer to the wiring diagram carefully.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the device away from water and excessive moisture.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact customer support.



Image 3.1: Included components and product dimensions.

- Podofu 7-inch 2DIN Android Car Radio Unit
- Power Cable Harness
- RCA Cable
- 4G Module
- GPS Antenna
- USB Cable
- Rear Camera Input Cable
- AHD Rear View Camera

- External Microphone
- Mounting Brackets (2 pcs)
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Key Features

- **Operating System:** Android 13
- **Processor:** 8-Core CPU
- **Memory:** 8GB RAM + 128GB ROM
- **Display:** 7-inch QLED Capacitive Touchscreen (1024 x 600 resolution)
- **Connectivity:** Wireless Apple CarPlay, Wireless Android Auto, Mirror Link, Bluetooth 5.1, Wi-Fi
- **Navigation:** Built-in GPS module, supports online and offline maps
- **Radio:** FM/AM/RDS with 18 preset stations
- **Audio:** Digital Sound Processor (DSP), HIFI sound quality, 4x45W output
- **Camera Support:** AHD Rear View Camera input (camera included)
- **Control:** Steering Wheel Control (SWC) support, Touchscreen
- **Additional Features:** Split-screen display, external microphone support



Image 4.1: High-performance 8-Core processor with ample memory.

4.2 Dimensions

- **Front Panel (Width x Height):** 178 mm (7 inches) x 102 mm (4 inches)
- **Chassis (Width x Depth x Height):** 178 mm (7 inches) x 47 mm (1.8 inches) x 98 mm (3.8 inches)

5. SETUP & INSTALLATION

5.1 Wiring Diagram

Refer to the following diagram for correct wiring connections. Incorrect wiring can damage the unit or your vehicle's electrical system.

Product Wiring

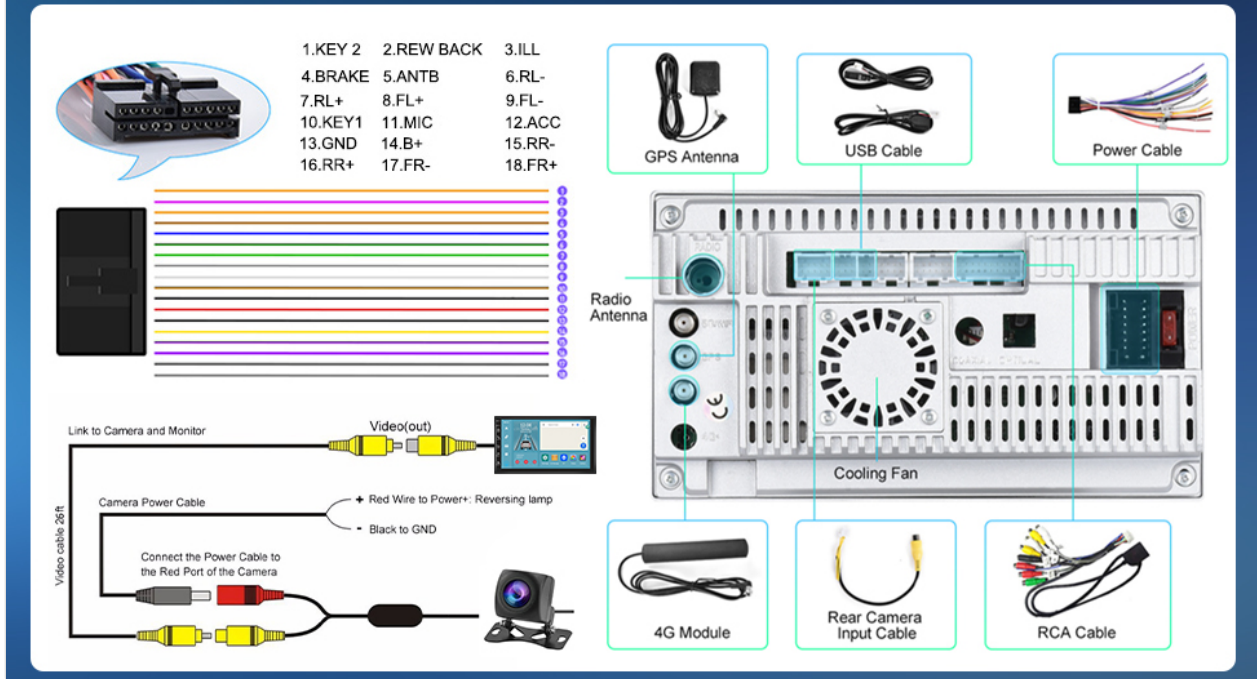


Image 5.1: Product wiring diagram.

- **Power Cable:** Connect the yellow wire to the constant 12V power supply, the red wire to the accessory (ACC) 12V power supply, and the black wire to ground.
- **Speaker Wires:** Connect the speaker wires (FL+, FL-, FR+, FR-, RL+, RL-, RR+, RR-) to your vehicle's corresponding speaker outputs. Ensure correct polarity.
- **GPS Antenna:** Connect the GPS antenna to the dedicated port on the back of the unit and mount it in a location with a clear view of the sky.
- **USB Cable:** Connect the USB cable for external devices or data transfer.
- **Radio Antenna:** Connect your vehicle's radio antenna.
- **Rear Camera Input:** Connect the included AHD rear view camera to the 'CAM IN' port. The reverse trigger wire (usually pink or brown) should be connected to your vehicle's reverse light signal.
- **External Microphone:** Connect the external microphone to the MIC input for improved call quality.
- **Steering Wheel Control (SWC):** Connect KEY1 and KEY2 wires to your vehicle's steering wheel control wires. The GND wire should also be connected. Refer to your vehicle's wiring diagram for specific connections.

5.2 Physical Installation

1. Remove your existing car radio from the dashboard.
2. Connect all necessary wiring harnesses to the Podofu unit according to the wiring diagram.
3. Attach the mounting brackets to the sides of the unit.
4. Slide the unit into the dashboard opening and secure it with the mounting brackets.
5. Reassemble the dashboard trim.

5.3 Initial Power On

After installation, turn on your vehicle's ignition. The car radio should power on automatically. Follow the on-screen prompts for initial setup, including language selection and time zone.

6. OPERATING INSTRUCTIONS

6.1 Basic Controls and User Interface

The unit features a responsive 7-inch QLED touchscreen. Navigate through menus and applications by touching the screen. The main interface provides access to core functions like Radio, Bluetooth, Navigation, and Apps.



Image 6.1: Customizable Colorful UI Display.

6.2 Wireless Apple CarPlay & Android Auto

This unit supports wireless Apple CarPlay and Android Auto for seamless smartphone integration.



Image 6.2: Wireless Apple CarPlay / Android Auto and Mirror Link.

- **Connection:** Enable Bluetooth and Wi-Fi on your smartphone. On the car radio, select the CarPlay or Android Auto application. Follow the on-screen instructions to pair your device.
- **Functionality:** Once connected, you can access navigation, music, calls, messages, and other compatible apps directly from the car radio's screen.

6.3 Bluetooth Connectivity

Connect your smartphone via Bluetooth 5.1 for hands-free calling and audio streaming.



Image 6.3: Bluetooth 5.1 for calls and audio.

- **Pairing:** Go to the Bluetooth menu on the car radio. Enable Bluetooth on your phone and search for available devices. Select the car radio's name (e.g., "Podofu Car Radio") and confirm the pairing code.
- **Hands-Free Calling:** Make and receive calls directly from the car radio. The external microphone ensures clear audio.
- **Audio Streaming:** Play music from your phone through the car's speakers.

6.4 GPS Navigation

The unit includes a built-in GPS module for accurate navigation. It supports both online and offline maps.



Image 6.4: GPS Navigation interface.

- **Online Maps:** Connect to Wi-Fi and use pre-installed or downloaded navigation apps (e.g., Google Maps).
- **Offline Maps:** Download map data for your region when connected to Wi-Fi. This allows for navigation without an internet connection.

6.5 FM/AM/RDS Radio

Tune into your favorite radio stations with FM/AM and RDS functionality.



Image 6.5: FM/RDS Radio interface.

- **Scanning:** Use the auto-scan function to find and save available stations.
- **Presets:** The unit supports 18 preset stations for quick access.
- **RDS:** Radio Data System displays station information, song titles, and traffic updates where available.

6.6 Rear View Camera

The included AHD rear view camera provides a clear view of the area behind your vehicle when reversing.



Image 6.6: Rear View Camera display.

- **Automatic Activation:** When the vehicle is shifted into reverse gear, the screen will automatically switch to the camera view.

- **Guidelines:** Dynamic parking guidelines assist with safe maneuvering.

6.7 Split Screen Function

Utilize the split-screen feature to run two applications simultaneously.

Reversing Camera

Support high-definition camera, you need to select the camera, the car automatically switches when the reverse gear is connected (optional)



HD
High Definition



Night Vision



Waterproof Protection



170°
Viewing Angle(170°)




Split Screen

Application pages can be displayed on one page at the same time to enjoy convenient and multifunctional collaboration such as navigation, music play and address book















Image 6.7: Split Screen functionality.

- **Activation:** Long-press the recent apps button or drag an app to one side of the screen to activate split-screen mode.
- **Usage:** For example, view navigation on one side while controlling music on the other.

6.8 Wi-Fi Connection

Connect the car radio to a Wi-Fi network to access online features and download apps.



Image 6.8: Wi-Fi connectivity for apps and online services.

- **Connecting:** Go to Settings > Network & Internet > Wi-Fi. Select your desired network and enter the password.
- **App Downloads:** Once connected, you can download additional applications from the App Store.

6.9 Steering Wheel Control (SWC)

Control basic functions of the car radio using your vehicle's existing steering wheel buttons.



Image 6.9: Steering Wheel Control functionality.

- **Configuration:** After proper wiring, go to Settings > Steering Wheel Control. Follow the on-screen instructions to program each button.
- **Benefits:** Allows for safer operation by keeping your hands on the steering wheel.

6.10 Sound Settings (DSP, EQ)

Customize your audio experience with the built-in Digital Sound Processor (DSP) and Equalizer (EQ).

Product Wiring

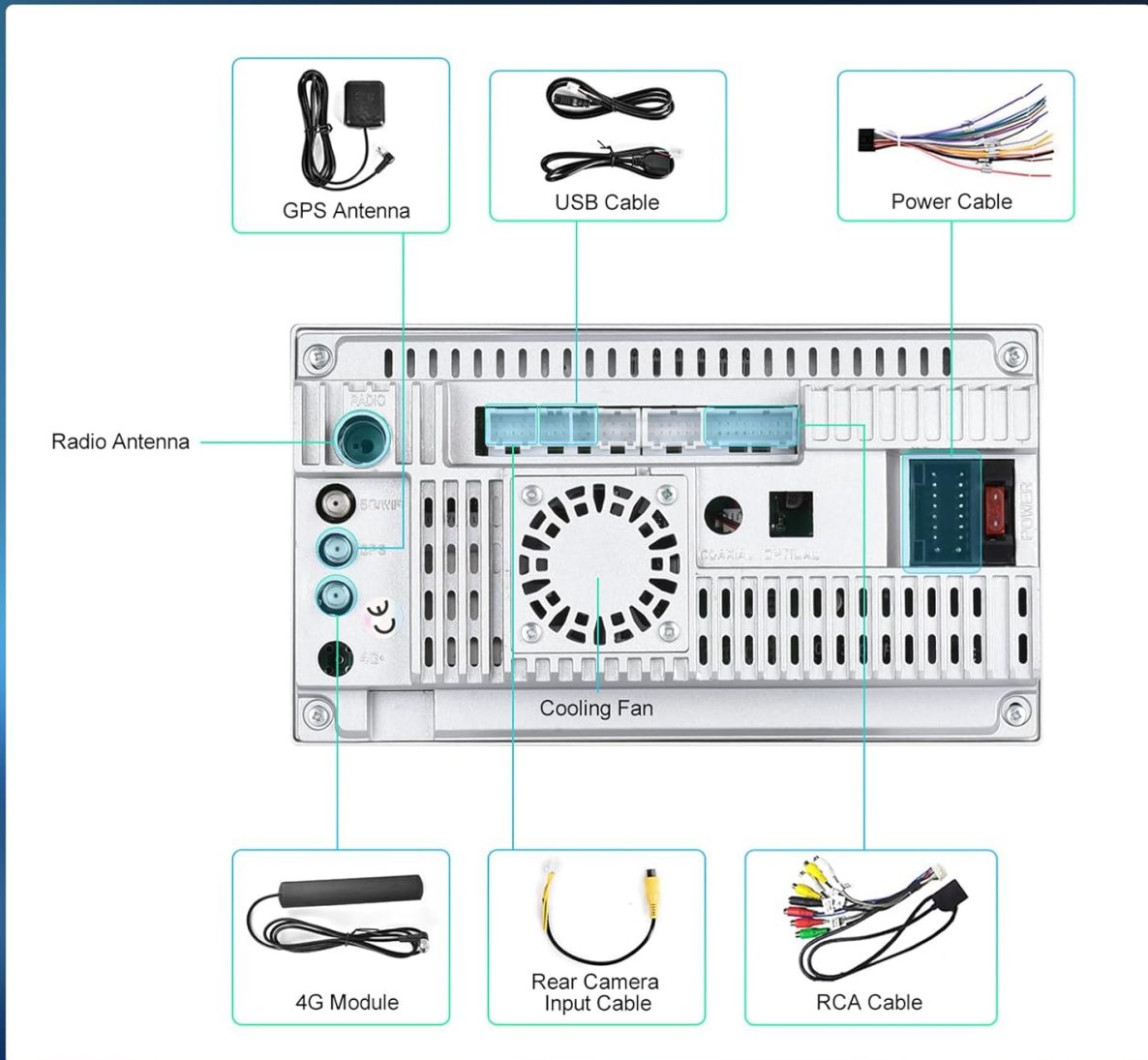


Image 6.10: Equalizer (EQ) system for sound customization.

- **Access:** Navigate to the Sound or EQ settings menu.
- **Adjustments:** Fine-tune bass, treble, balance, fader, and use preset EQ modes or create custom profiles.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates via Wi-Fi to ensure optimal performance and access to new features.
- **System Reset:** If the device experiences persistent issues, a factory reset option is available in the system settings. Note that this will erase all user data and settings.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	Incorrect power wiring; Blown fuse; Vehicle ignition off.	Check power cable connections (yellow, red, black). Verify vehicle fuse. Ensure ignition is on.
No sound.	Speaker wires disconnected; Volume too low; Mute function active.	Check speaker wiring. Increase volume. Disable mute.
Bluetooth connection issues.	Bluetooth not enabled; Device not paired; Interference.	Ensure Bluetooth is on for both devices. Re-pair the device. Move away from other wireless devices.
GPS signal weak or lost.	GPS antenna improperly placed; Obstruction.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
Rear camera not displaying.	Camera not connected; Reverse trigger wire not connected; Camera faulty.	Check camera input cable. Verify reverse trigger wire connection. Test camera if possible.
Steering Wheel Controls not working.	SWC wires not connected; Incorrect configuration.	Check KEY1, KEY2, and GND wiring. Reconfigure SWC in settings.
Unit is slow or unresponsive.	Too many apps running; System cache full; Software issue.	Close unnecessary apps. Clear system cache. Perform a factory reset if necessary.

9. SPECIFICATIONS

Feature	Specification
Brand	podofu
Model Number	0a853c5f-d12b-4d1e-9e95-d76fc4963eeb
Operating System	Android 13
Processor	8-Core
RAM	8 GB
ROM	128 GB
Screen Size	7 inches
Screen Type	QLED Capacitive Touchscreen
Resolution	1024 x 600
Bluetooth Version	5.1
Connectivity	Bluetooth, Wi-Fi

Feature	Specification
Special Features	Android Auto, Apple CarPlay, GPS, FM/AM/RDS, Rear Camera Input, Steering Wheel Control, DSP
Audio Output Mode	Multi-channel (4.0 Surround Sound)
Output Power	4 x 45 Watts
Video Codecs	H.264, MPEG-4
Audio Formats	WAV, WMA
Control Method	Touchscreen
Included Components	Rear View Camera, External Microphone

10. WARRANTY & SUPPORT

Podofu offers a friendly, professional customer service experience, lifetime technical support, and a 30-day return or exchange policy without questions. If you have any product-related questions, please contact us via email. We aim to provide a satisfactory response within 24 hours.

- **Technical Support:** Lifetime support is provided for this product.
- **Returns/Exchanges:** 30-day return or exchange policy.
- **Contact:** Refer to your purchase documentation or the manufacturer's website for specific contact information.