Polarlander 7009VWCAM

Polarlander 9-inch Android Car Radio GPS Navigation Stereo Multimedia Player User Manual

Model: 7009VWCAM | Brand: Polarlander

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Polarlander 9-inch Android Car Radio GPS Navigation Stereo Multimedia Player. Please read this manual thoroughly before using the product to ensure proper functionality and to avoid any damage.

The device features a 9-inch TFT Capacitive Touch Screen, Android 8.1 operating system, 1.2G Quad Core CPU with 1G DDR3, 16G Flash Memory, AM/FM Radio, Bluetooth 4.0, Wi-Fi, GPS navigation, Mirror Link, and support for various car models including VW Passat, Golf MK5, MK6, Jetta, T5, EOS, POLO, Touran, Seat, and Sharan.

Package Contents

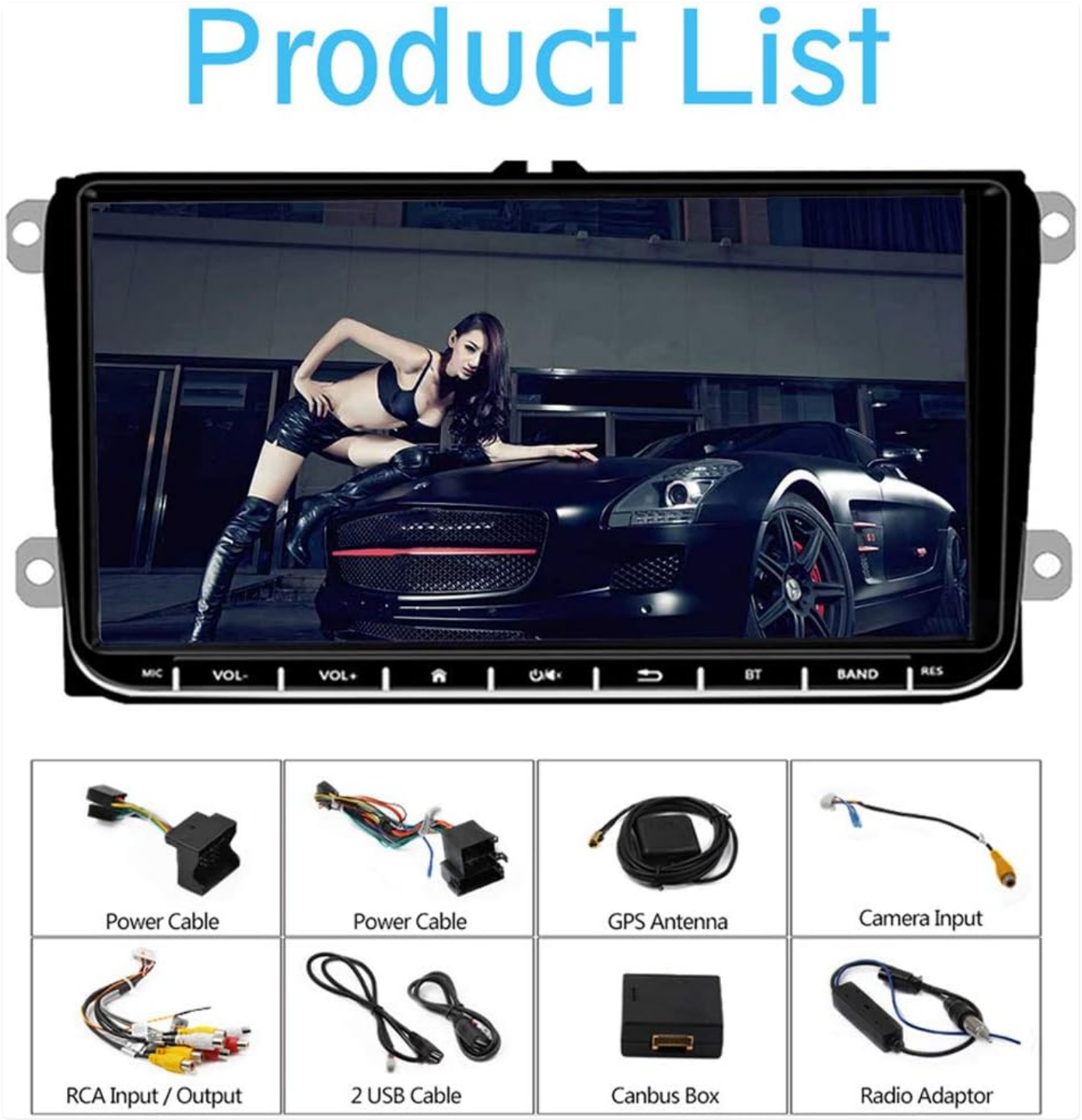


Figure 1: Product Unit and Accessories

Please check the package contents upon receipt to ensure all items are present:

- 1 x VW Android Multimedia Player
- 1 x GPS Antenna
- 1 x Power Harness (new VW harness style)
- 1 x Power Harness (old VW harness style)
- 1 x CANBUS box
- 1 x Radio Antenna Adapter
- 2 x USB adapter
- 1 x Camera Input cable
- 1 x RCA Input/Output cable
- 1 x User Manual

Key Features

- **Operating System:** Android 8.1 with 1.2G Quad Core CPU and 1G DDR3 for smooth operation.
- **Display:** 9-inch TFT Capacitive Touch Screen with 1024 x 600 pixel resolution.
- **Memory:** Built-in 16G Flash Memory for music, navigation map data, and video storage.
- **Radio:** AM/FM Radio with auto memory store and preset scan.
- **Navigation:** Built-in GPS receiver, compatible with Waze, Navfree, Google Maps, etc.
- **Connectivity:** Built-in Bluetooth 4.0 (A2DP/Hands-Free/Phone book) and Wi-Fi.
- **Mirror Link:** Supports screen mirroring for smartphones.
- **Inputs/Outputs:** 2 x Rear USB Input, Back Camera Input, 2 Channel RCA Output, 2CH rear video input, 2CH rear RCA input, 2CH rear audio output.
- **Audio:** Preset Multi EQ Settings, Volume/Fader/Balance/Treble/Bass Control, 4 x 45W Power Output.
- **Compatibility:** Original Factory Style Car radio for VW Passat, Golf MK5, MK6, Jetta, T5, EOS, POLO, Touran, Seat, Sharan.
- **Steering Wheel Control:** Supports steering wheel controls.
- **Multi-language Support:** Wide range of language options available.

Setup and Installation

This section provides a general overview of the installation process. Professional installation is recommended for optimal performance and safety.

Unboxing and Component Identification

Upon opening the package, carefully remove all components. Refer to the "Package Contents" section to identify each item. The main unit, various cables (power harnesses, RCA, USB, camera input), GPS antenna, and CANBUS box are essential for installation.

Your browser does not support the video tag.

Video 1: Unboxing and Initial Setup Overview. This video demonstrates the unboxing of the car radio and the connection of various cables to the main unit, including power harnesses, RCA cables, USB cables, and the GPS antenna. It also shows the initial boot-up sequence and basic UI navigation.

Wiring Connections

1. **Power Harness:** Connect the appropriate power harness (new or old VW style) to the main unit and your vehicle's wiring. Ensure correct polarity and secure connections. The CANBUS box should be integrated if your vehicle requires it for steering wheel controls or other vehicle data.
2. **GPS Antenna:** Connect the GPS antenna to the designated port on the back of the unit. Position the antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
3. **USB Cables:** Connect the two USB adapter cables to the unit. These can be routed to a convenient location in your vehicle for connecting USB drives or other devices.
4. **RCA Cables:** Connect the RCA input/output cables for external amplifiers, subwoofers, or auxiliary audio/video sources as needed.
5. **Camera Input:** If installing a rear-view camera, connect its video output to the "Camera Input" RCA port on the unit.
6. **Radio Antenna:** Connect your vehicle's radio antenna to the unit using the provided adapter if necessary.

After all connections are made, carefully mount the unit into your vehicle's dashboard. Ensure all cables are neatly tucked away and do not interfere with vehicle operation.

Operating Instructions

Initial Power On and System Boot

Once installed, turn on your vehicle's ignition. The unit will power on and display the Android boot logo. The system will then load the main interface.

Basic Navigation and User Interface

The unit features a touch-sensitive screen. Navigate through menus and applications by tapping icons or swiping across the screen. Common buttons on the unit's bezel include MIC, VOL-, VOL+, HOME, BACK, NAVI, BAND, and RES.

Radio Functionality



Figure 2: FM/RDS Radio Interface

Tap the "Radio" icon on the main screen to access the radio interface. You can manually tune frequencies, scan for stations, and save up to 18 preset stations. The unit supports FM/RDS radio.

GPS Navigation



Figure 3: GPS Navigation Display

The unit comes with built-in GPS. Access navigation by tapping the "Navi" button or the "Maps" application. You can download and use various navigation apps like Waze, Navfree, or Google Maps via Wi-Fi connection. Ensure the GPS antenna is properly installed for accurate positioning.

Bluetooth Connectivity



Figure 4: Bluetooth Interface for Calls and Music

Pair your smartphone via Bluetooth for hands-free calling, music streaming (A2DP), and phone book synchronization. Go to the Bluetooth settings on the unit, enable Bluetooth on your phone, search for "CarBT" (or similar device name), and enter the default PIN "0000" if prompted.

Wi-Fi Connection



Figure 5: Wi-Fi Connectivity

Connect to a Wi-Fi network (e.g., your phone's hotspot) to access online features, download apps, and update maps. Go to Android Settings > Network & Internet > Wi-Fi, select your network, and enter the password.

Mirror Link Functionality



Figure 6: Wireless Mirror Link

The unit supports Mirror Link for both Android and iPhone devices. This allows you to display your phone's screen on the car stereo. For iPhone, typically use Wi-Fi mirroring (AirPlay). For Android, both USB and Wi-Fi options are usually available. Follow the on-screen instructions within the "Phonelink" app for specific connection steps.

Rear View Camera Input



Figure 7: Rear View Camera Display

When a compatible rear-view camera is connected and the vehicle is shifted into reverse, the unit will automatically display the camera feed, enhancing safety during parking maneuvers.

System Settings

Access various system settings through the "Settings" icon or by navigating to "Android Settings" from the main menu. Key settings include:

- **Languages & Input:** Change the system language.
- **Date & Time:** Set the correct date and time.
- **Display:** Adjust brightness, wallpaper, and font size.
- **Sound:** Control volume levels and equalizer settings.
- **Car Settings:** Specific settings related to vehicle integration, such as steering wheel controls and reverse settings.
- **Navigation App Selection:** Choose your preferred default navigation application.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system updates to ensure optimal performance and access to new features. Updates can typically be found in the Android Settings menu.
- **Data Backup:** Regularly back up important data, such as contacts or custom settings, to an external USB drive.
- **Temperature:** Avoid exposing the unit to extreme temperatures, which can affect its lifespan and performance.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle ignition off.	Check power connections, vehicle fuse box, and ensure ignition is on. Consult a professional if unsure.
No sound.	Volume too low, mute activated, incorrect audio output settings, speaker wiring issues.	Increase volume, check mute status, verify audio settings (e.g., fader/balance), inspect speaker wiring.
GPS signal lost or inaccurate.	GPS antenna obstructed or improperly connected, outdated maps.	Ensure GPS antenna has a clear view of the sky and is securely connected. Update navigation maps if necessary.
Bluetooth connection issues.	Device not discoverable, incorrect PIN, interference.	Ensure Bluetooth is enabled on both devices and discoverable. Re-enter PIN "0000". Restart Bluetooth on both devices.
Touch screen unresponsive.	System freeze, temporary software glitch.	Restart the unit (if possible, by holding the power button or turning off vehicle ignition). If the issue persists, a factory reset might be needed (refer to settings).

Specifications



Figure 8: Product Dimensions (Approximate)

Feature	Detail
Model Number	7009VWCAM
Operating System	Android 8.1
CPU	1.2G Quad Core
RAM	1G DDR3
Internal Storage	16 GB Flash Memory
Display Size	9 Inches
Resolution	1024 x 600
Bluetooth Version	4.0 (A2DP/Hands Free/Phone book)
Connectivity	USB, Wi-Fi
Audio Output Mode	Stereo

Feature	Detail
Power Output	4 x 45W
Product Dimensions (from image)	Approx. 218mm (W) x 130mm (H) x 53mm (D)
Product Dimensions (from data)	8.58 x 0.01 x 0.01 inches (Note: This dimension appears to be incorrect or a placeholder.)
Item Weight (from data)	0.564 ounces (Note: This weight appears to be incorrect or a placeholder.)

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Polarlander customer service directly. Keep your proof of purchase for warranty claims.

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