

MAHVEC 4Core 4G+128G

MAHVEC Car Radio Stereo for Volvo XC90 (2004-2014) - 4GB+128GB Android 15 User Manual

Model: 4Core 4G+128G

Brand: MAHVEC

INTRODUCTION

This manual provides comprehensive instructions for the MAHVEC Car Radio Stereo, specifically designed for Volvo XC90 models manufactured between 2004 and 2014. This advanced head unit features a 9-inch HD in-cell touch screen, runs on Android 15, and offers a robust 4GB RAM with 128GB ROM for smooth performance. Key functionalities include wireless CarPlay and Android Auto, integrated GPS navigation, WiFi connectivity, Bluetooth 5.0 for hands-free communication and audio streaming, FM/RDS radio, and support for steering wheel controls. An AHD backup camera is also included to enhance driving safety.

Before installation, please ensure your vehicle's compatibility by verifying the model year and dashboard shape. If your original car central control has an AUX option, it will not be compatible with this unit.

SETUP AND INSTALLATION

The MAHVEC Car Radio Stereo is designed for a plug-and-play installation with the provided wiring harness. Professional installation is recommended to ensure correct setup and avoid damage.

Compatibility Check

Confirm your Volvo XC90 model year is between 2004 and 2014. Visually compare your dashboard with the 'Before' image below. If your original car central control unit includes an AUX option, this stereo is not compatible.

For Volvo XC90 2004-2014



Please Note:



If your original car central control has an AUX option, it will not be compatible.



Image: Comparison of the Volvo XC90 dashboard before and after installing the MAHVEC car stereo. The 'Before' image shows the original car radio, and the 'After' image displays the new 9-inch HD in-cell touch screen integrated into the dashboard.

Reversing Camera Wiring

The included AHD backup camera requires specific wiring for proper functionality. Follow the diagram below for connecting the reverse trigger cable, ground, and backup light power.

Reversing Camera Wiring

- 1** labeled "back" or "reverse" is the reverse trigger cable.
(If this cable is tied with the power harness, no connection is needed)

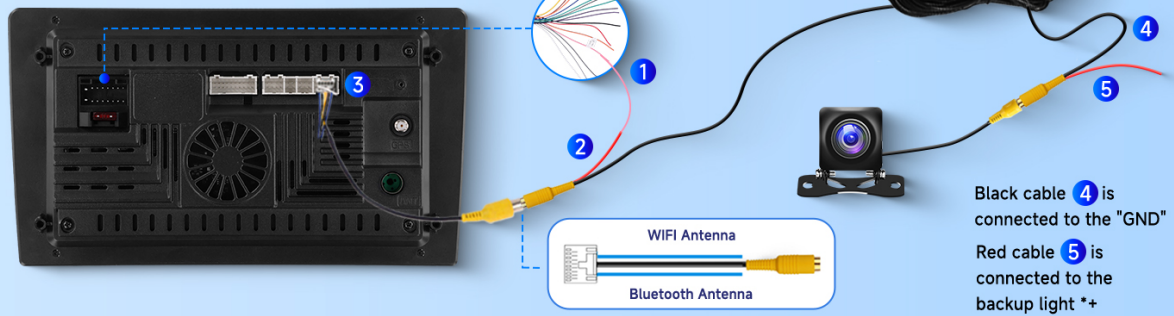


Image: Detailed wiring diagram for the reversing camera, illustrating connections for the reverse trigger cable, ground (GND), and backup light positive (+).

OPERATING INSTRUCTIONS

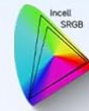
In-Cell Touch Screen

The unit features an upgraded 9-inch HD In-Cell full touch screen with 1280x720P resolution. This technology integrates touch sensors directly into the panel, resulting in a thinner, lighter display with over 95% light transmittance for brighter visuals and a 20-30% faster touch response.

Incell Screen

68%

Light transmittance



In-Cell



Precise Touch Response



Ultra-slim & Lightweight



Crystal-clear Display



High Light Transmittance



Image: Visual representation of the In-Cell screen technology, emphasizing its clarity, responsiveness, and slim profile.

Wireless CarPlay & Android Auto

Connect your smartphone wirelessly to access navigation, music, calls, and messages directly on the car stereo display. This feature supports both iOS CarPlay and Android Auto, allowing for voice control via Siri or Google Assistant.

Wireless Carplay & Android auto

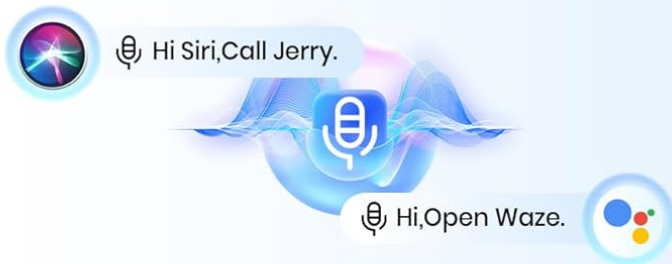


Image: Display of the car stereo interface running Wireless CarPlay and Android Auto, demonstrating seamless smartphone integration.

Connection Steps (CarPlay/Android Auto)

1. Open the 'S-Play' application on the car stereo.
2. Ensure Bluetooth is enabled on your smartphone and the car stereo.
3. Pair your smartphone with the car stereo via Bluetooth.
4. Follow the on-screen prompts to allow contact and favorite syncing.
5. Confirm the connection to CarPlay or Android Auto when prompted.

Your browser does not support the video tag.

Video: This video demonstrates the process of connecting your smartphone for Wireless CarPlay and Android Auto, including Bluetooth pairing and interface navigation.

GPS Navigation & WiFi

The unit includes a built-in GPS chip for offline navigation and supports WiFi connectivity for online map updates and downloading various entertainment applications.



Image: The car stereo displaying GPS navigation features and available applications through WiFi connectivity.

Bluetooth 5.0

Bluetooth 5.0 ensures faster pairing, stable connectivity, and precise positioning. It enables hands-free calling and seamless music streaming from your paired device.

Bluetooth & AHD Backup Camera



Image: Bluetooth functionality for calls and music, integrated with the AHD backup camera display.

FM/RDS Radio & EQ Settings

Enjoy built-in FM/RDS radio with multiple EQ settings, presets, and adjustable volume, fader, balance, treble, and bass for a customized audio experience.

FM/RDS Radio



Image: The FM/RDS radio interface and examples of customizable UI themes.

Steering Wheel Control Learning

The unit supports steering wheel controls for screen-free operation. You can program the buttons on your steering wheel to control various functions of the stereo.

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Video: This segment demonstrates how to configure and learn steering wheel controls for the car stereo.

Mirror Link

Mirror Link allows you to cast your smartphone screen (both iOS and Android) directly onto the car stereo display, enabling you to view apps and content from your phone.

Mirror Link



Image: Mirror Link functionality, allowing smartphone screen mirroring to the car stereo.

Split Screen Function

The split-screen function allows you to run two applications simultaneously on the display, such as navigation and music. To enable this, navigate to **Settings > Factory Setup** (password: 1234) and activate the 'Split screen function'.

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Video: This segment demonstrates how to enable and use the split-screen function on the car stereo.

Time Settings

To adjust the time settings, go to **Settings > More Settings > Date and Time**. You can choose to use the network time or GPS to provide time information.

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Video: This segment illustrates how to access and modify the time settings on the car stereo.

UI Theme Customization

The car stereo offers multiple user interface themes that can be switched freely to personalize your experience. Access these options through the 'ThemeSelect' app.

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Video: This segment demonstrates how to change the user interface theme on the car stereo.

MAINTENANCE

To ensure the longevity and optimal performance of your MAHVEC Car Radio Stereo, follow these general maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth, slightly dampened with water or a screen-safe cleaner, to gently wipe the display. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for available software updates through the system settings to ensure you have the latest features and performance enhancements.
- **Environmental Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

TROUBLESHOOTING

If you encounter issues with your car stereo, refer to the following common troubleshooting tips:

- **No Power:** Check all power connections to ensure they are securely fastened. Verify the vehicle's fuse box for any blown fuses related to the stereo.
- **No Sound:** Ensure the volume is not muted or set to minimum. Check speaker connections. Verify audio output settings in the system menu.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the stereo and your smartphone. Delete previous pairings and attempt to re-pair the devices. Ensure no other devices are interfering with the connection.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky. Check GPS settings within the navigation application.
- **Touch Screen Unresponsive:** Perform a system restart. If the issue persists, check for any physical damage or debris on the screen.
- **CarPlay/Android Auto Not Connecting:** Ensure your phone's Bluetooth is connected to the stereo. Verify that the 'S-Play' app is open and that your phone is compatible with wireless CarPlay/Android Auto.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact MAHVEC customer support.

SPECIFICATIONS

Packing List & Product Size

The diagram illustrates the product dimensions and the packing list. The stereo unit is 257 mm (10.12 inch) wide and 148 mm (5.83 inch) high. The packing list includes the following items:

- Power Cable
- 4 Pin USB Cable
- Rear Camera Input Cable
- RCA Cable
- 6 Pin USB Cable
- GPS Antenna
- RCA Cable
- USB Cable
- Rear Camera Input Cable
- GPS Antenna
- User Manual
- Rear Camera
- Accessories
- Canbus
- MIC
- Installation Tool
- Power Cable

Image: Product dimensions and a visual representation of the packing list.

Feature	Detail
Model	4Core 4G+128G
Operating System	Android 15
Display Size	9 Inches

Feature	Detail
Display Type	HD In-Cell Touch Screen (1280x720P)
Memory (RAM)	4GB
Storage (ROM)	128GB
Connectivity	Bluetooth 5.0, USB, Wi-Fi
Special Features	GPS Navigation, Wireless Android Auto, Wireless CarPlay, FM/RDS Radio, Steering Wheel Control, AHD Backup Camera
Included Components	MAHVEC Car Stereo, Backup Camera, External Mic
Item Weight	1.76 pounds
Package Dimensions	7.87 x 5.91 x 1.97 inches

WARRANTY INFORMATION

The MAHVEC Car Radio Stereo comes with a 3-year warranty. For detailed terms and conditions, please refer to the warranty card included in your product packaging or contact customer support.

Additionally, protection plans are available for purchase to extend coverage:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly billing)

CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your MAHVEC Car Radio Stereo, please contact our customer service team. MAHVEC is committed to providing high-standard customer service and offers 24/7 emergency support and quality guarantee.

You can visit the official MAHVEC store on Amazon for more information and to contact the seller directly:

[MAHVEC Store](#)