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> MAHVEC 4Core 2G+64G Android Car Stereo for Honda Civic 2016-2020 - User Manual

## MAHVEC 4Core 2G+64G

# MAHVEC 4Core 2G+64G Android Car Stereo User Manual

Model: 4Core 2G+64G | Brand: MAHVEC

Compatible with Honda Civic 2016-2020

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MAHVEC 4Core 2G+64G Android Car Stereo. This unit is designed to integrate seamlessly with Honda Civic models from 2016 to 2020, offering advanced features such as Android 15, 5Ghz WiFi, Bluetooth 5.0, Wireless CarPlay, Android Auto, DSP EQ, GPS, and a 9-inch IPS touch screen. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

## PACKAGE CONTENTS

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

- Android Car Stereo & Frame
- AHD Backup Camera
- External Microphone
- GPS Antenna
- USB Cable
- Rear Camera Input Cable
- RCA Cable
- Power Cable
- Radio Antenna
- Original USB Cable
- Radio Antenna Switching Cable
- Canbus Box
- Installation Tool Kit
- User Manual (this document)

# Detail list



USB Cable



Rear Camera Input Cable



GPS Antenna



RCA Cable



User Manual



Rear Camera



MIC



Power Cable



Radio Antenna



Original USB Cable



Radio antenna switching



Canbus



Installation Tool

Image: Detailed list of package contents, showing the main unit, various cables (USB, RCA, power), GPS antenna, external microphone, AHD backup camera, Canbus box, radio antenna, and installation tools.

## SETUP AND INSTALLATION

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation. This unit is designed for Honda Civic 2016-2020 models and supports J-B-L/B.O.S.E stereo systems. Refer to the compatibility image below to confirm your vehicle's dashboard configuration.

Image: Compatibility chart for Honda Civic 2016-2021 dashboards, illustrating which factory radio configurations are compatible with the MAHVEC car stereo and which are not, particularly noting issues with power amplifier interfaces.

## Wiring Schematic

Carefully connect the provided cables according to the wiring diagram. Ensure all connections are secure to prevent malfunctions.



Image: Detailed wiring schematic showing numbered connections for AUX IN, RCA video, CCD AVIN, USB, video/audio interface, GPS antenna, original car interface, Civic CAN BUS interface, Canbus box, and 20-pin interface.

## Canbus Setup

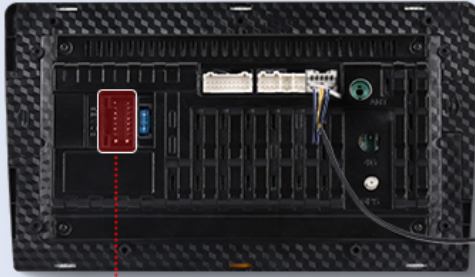
After installation, configure the Canbus settings:

1. Go to **Car settings**.
2. Select **Factory settings (000000)**.
3. Choose **Protocol settings**.
4. Select **raise** and then your specific car model.

## Backup Camera Installation

The included AHD backup camera provides a 170° wide view, IP69k waterproof rating, and night vision. Connect the camera as shown in the diagram.

# Backup Camera Wiring



After the connection, the nine-palace screen appears  
Enter settings-factory set up(000000)-backcar source  
settings-AHD.

## Red Cable 1 and 3

Connect to the positive of the car's reverse light power supply

## Black Cable 2

Connect to the negative of the car's reverse light power supply

## Black Cable 4

Connect to reverse trigger wire on power harness

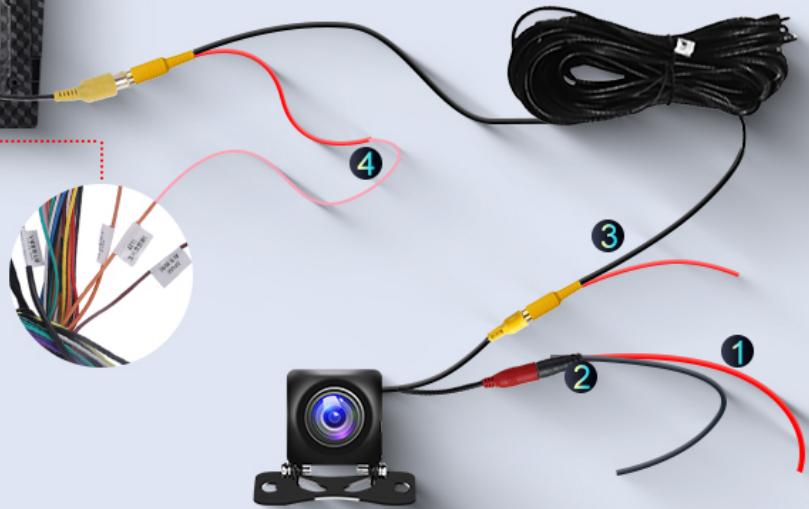


Image: Backup camera wiring diagram. Red cable 1 and 3 connect to the positive of the car's reverse light power supply. Black cable 2 connects to the negative of the car's reverse light power supply. Black cable 4 connects to the reverse trigger wire on the power harness.

## Backup Camera Software Setup

After connecting the camera:

1. Enter **Settings**.
2. Go to **Factory setup (000000)**.
3. Select **backcar source settings**.
4. Choose **AHD**.
5. In **Protocol parameter settings**, adjust **Reverse video clarity/format** if needed.

## OPERATING INSTRUCTIONS

### Wireless CarPlay & Android Auto

The car stereo supports both wireless and wired CarPlay and Android Auto, allowing access to phone functions like navigation, calls, messages, and music directly on the 9-inch touch screen.

# Carplay & Android Auto & Mirror Link



Image: Car stereo displaying CarPlay and Android Auto interfaces, highlighting app icons and the Mirror Link feature.

## Connection Steps (Wireless)

1. Connect your mobile phone to the car stereo via Bluetooth.
2. On the car stereo, click on the "Car Link" application and wait for the connection to establish.

## Connection Steps (Wired)

1. Connect your mobile phone to the car radio player using a USB cable.
2. On the car stereo, click on the "Car Link" application and wait for the connection to establish.



**Wireless & Wired**

## Carplay



**Connection steps①**

1. Connect BT 📶
2. Click on "Car Link" and wait for connection

**Connection steps②**

1. Connect the mobile phone and car radio player with **USB** cable
2. Click on "Car Link" and wait for connection

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**Wireless & Wired**

## Android auto





**Connection steps①**

1. Connect BT 📶
2. Click on "Car Link" and wait for connection

**Connection steps②**

1. Connect the mobile phone and car radio player with **USB** cable
2. Click on "Car Link" and wait for connection

Image: Visual guide for connecting wireless and wired CarPlay and Android Auto, showing Bluetooth and USB connection methods.

## Mirror Link

Mirror Link allows you to display your phone's screen content directly on the car stereo, enabling you to enjoy movies and other media.

## Bluetooth 5.0

Connect your smartphone via Bluetooth 5.0 for hands-free calling and audio streaming. Access your phone's address book, make calls, and play music wirelessly.



Image: Bluetooth 5.0 interface for phone calls and music playback, alongside the FM/RDS radio display.

## 5Ghz WiFi Connection & GPS

Connect to 5Ghz WiFi to download various applications, stream music, and use online GPS navigation services like Navitel or iGO. The built-in positioning chip supports GPS/QZSS/SBAS for accurate navigation.

## FM/RDS Radio

The FM/RDS radio offers live news, music, and road conditions. It features 18 preset FM radio stations, allowing you to store 6 commonly used channels for quick access.

## Built-in DSP Multimedia Player

The Digital Sound Processor (DSP) ensures high-quality audio output, preserving the original sound of lossless audio sources. Customize your listening experience with multiple EQ options such as Pop, Rock, Jazz, Classical, Flat, User, and Voice. Sound effects can be fine-tuned by adjusting the equalizer settings on the screen.

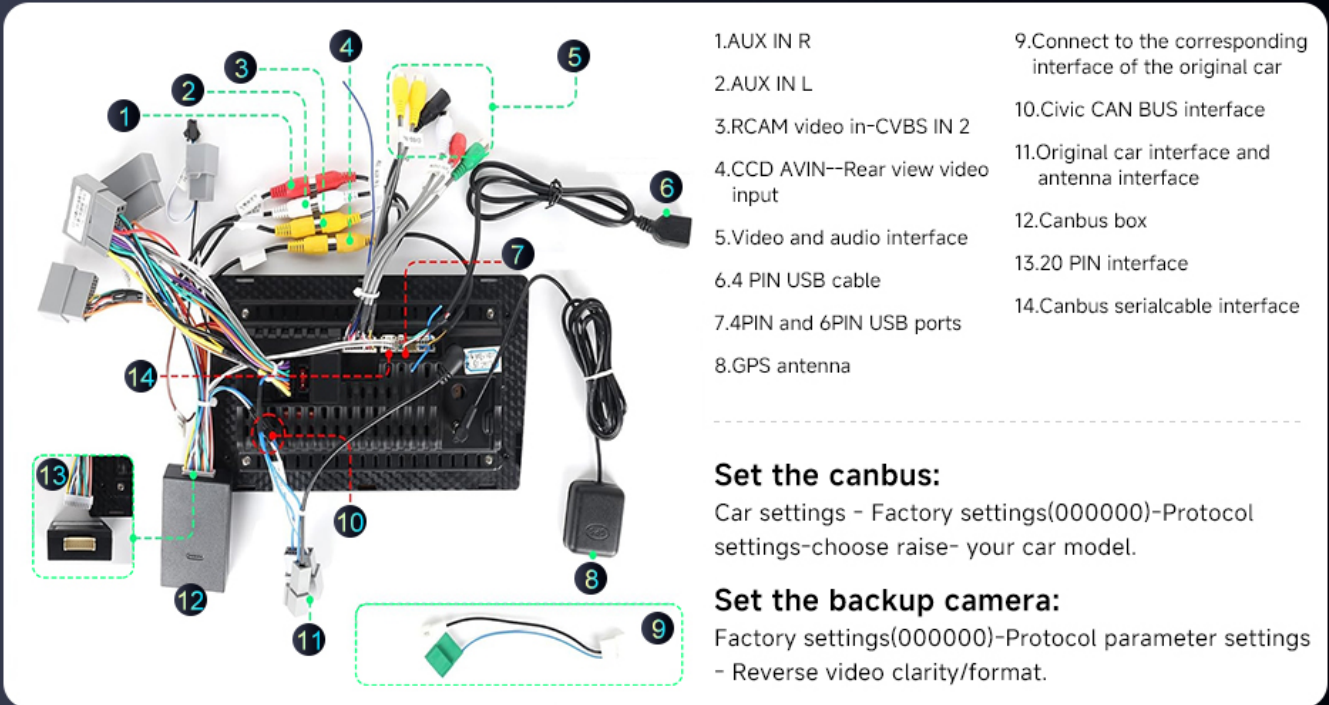


Image: DSP equalizer interface for audio customization and the FM/RDS radio display with frequency tuning.

## Personalized UI & Split Screen

The 9-inch 1080P IPS touch screen offers 26 personalized UI themes and various colorful wallpapers. The split-screen function allows synchronous operation of multiple applications, such as navigation and music playback, simultaneously.

# Wiring Schematic



### Set the canbus:

Car settings - Factory settings(000000)-Protocol settings-choose raise- your car model.

### Set the backup camera:

Factory settings(000000)-Protocol parameter settings - Reverse video clarity/format.

Image: Overview of features including steering wheel controls, 26 user interface options, split-screen functionality, and Mirror Link.

## Steering Wheel Controls

The unit supports original steering wheel controls, allowing you to manage audio, calls, and other functions without taking your hands off the wheel. Refer to the Canbus setup section for proper configuration.

## MAINTENANCE

To ensure the longevity and optimal performance of your car stereo, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for available software updates to ensure you have the latest features and bug fixes. Updates can typically be performed via the system settings when connected to WiFi.
- **Environmental Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion or damage.

## TROUBLESHOOTING

If you encounter issues with your MAHVEC car stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Loose power connection	Check power cable connections; Verify fuse integrity; Ensure proper Canbus setup.
No sound output	Speaker wires disconnected; Volume too low; DSP settings misconfigured	Check speaker wiring; Increase volume; Reset DSP settings to default or adjust EQ.

Problem	Possible Cause	Solution
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CarPlay/Android Auto not connecting	Bluetooth not paired; USB cable faulty; "Car Link" app not launched	Ensure Bluetooth is on and paired; Try a different USB cable; Launch the "Car Link" app on the stereo.
GPS signal weak or inaccurate	GPS antenna obstructed or improperly installed	Ensure GPS antenna has a clear view of the sky and is securely connected.
Backup camera not displaying	Camera wiring incorrect; Software setting incorrect	Verify camera power and video connections; Check "backcar source settings" in factory settings.
Steering wheel controls not working	Canbus not configured; Wiring issue	Ensure Canbus is correctly set up for your car model in factory settings; Check Canbus wiring.

If the problem persists after attempting these solutions, please contact MAHVEC customer support for further assistance.

## SPECIFICATIONS

<b>Model Name</b>	4Core 2G+64G
<b>Brand</b>	MAHVEC
<b>Display Size</b>	9 Inches
<b>Operating System</b>	Android 15
<b>RAM</b>	2GB
<b>ROM</b>	64GB
<b>Connectivity Technology</b>	Bluetooth 5.0, 5Ghz WiFi
<b>Special Features</b>	Android Auto, Built-In Bluetooth, CarPlay, DSP, GPS Navigation, FM/RDS, Backup Camera Support, 26 UIs, Split Screen
<b>Map Type</b>	Worldwide (GPS/QZSS/SBAS)
<b>Audio Output Mode</b>	Stereo
<b>Mounting Type</b>	Dashboard Mount
<b>Item Weight</b>	3.27 pounds
<b>Package Dimensions</b>	11.81 x 8.31 x 5.51 inches

## WARRANTY INFORMATION

This MAHVEC car stereo comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

## **CUSTOMER SUPPORT**

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For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact MAHVEC customer support. Refer to the contact information provided with your purchase or visit the official MAHVEC website for support resources.