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› [NHOPEEW](#) /

› [NHOPEEW Android Car Stereo User Manual for BMW 3 Series E90 E91 E92 E93 \(2005-2012\)](#)

## NHOPEEW 2+64G

# NHOPEEW Android Car Stereo User Manual

Model: 2+64G | For BMW 3 Series E90 E91 E92 E93 (2005-2012)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NHOPEEW 9-inch Android Car Stereo. This unit is designed to enhance your driving experience with advanced features such as wireless CarPlay, Android Auto, GPS navigation, and a high-definition touchscreen. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.



Image 1.1: NHOPEEW 9-inch Android Car Stereo with included accessories.

## 2. COMPATIBILITY

This Android Car Stereo is specifically designed for BMW 3 Series E90, E91, E92, and E93 models manufactured between 2005 and 2012. It is crucial to verify your vehicle's dashboard and radio line interface before proceeding with installation.

### 2.1 Vehicle Model Verification

Compare your vehicle's center console with the images below to confirm compatibility. The unit is compatible with dashboards resembling 'Model A'. If your dashboard matches 'Model B', 'C', or 'D', this unit is not suitable for your vehicle.

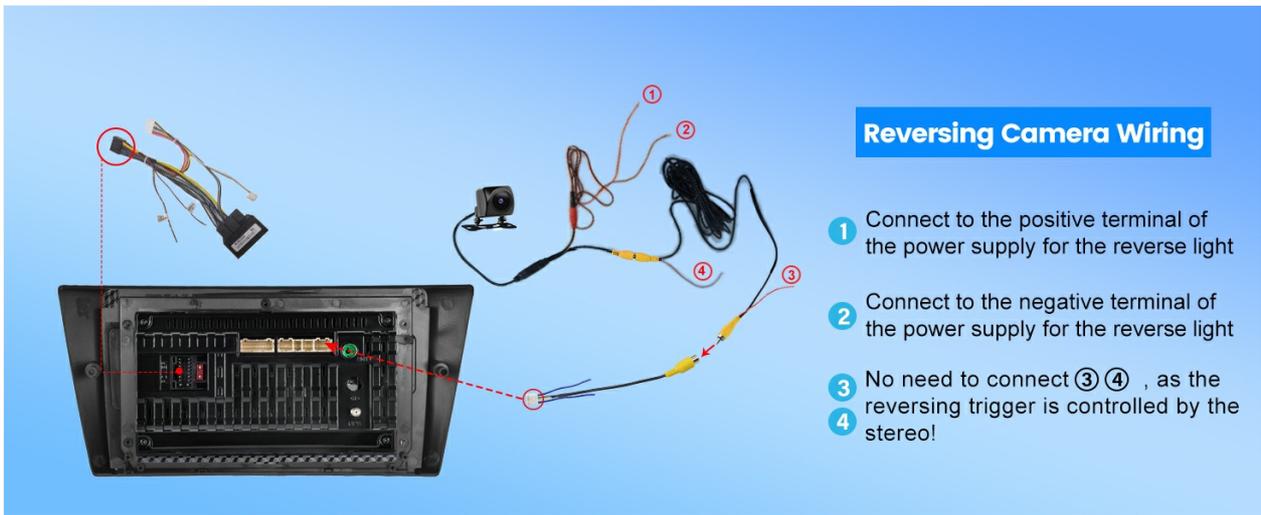


Image 2.1: Visual guide for BMW 3 Series dashboard compatibility. Ensure your vehicle's dashboard matches the 'FIT' example.

## 2.2 Optical Fiber Box Requirement

Before purchasing and installing, please check your vehicle's radio line interface. If your radio line interface is equipped with an optical fiber connection, you will need to purchase a separate car optical fiber box. Contact customer service for guidance if you are unsure.

**PLEASE NOTE** 

**Before purchasing, please check your radio line interface. If your radio line interface is the same as the one in the diagram below, you will need to purchase a separate car optical fiber box. Please contact customer service for guidance.**



**Car optical fiber box**



Image 2.2: Example of a car optical fiber box and relevant radio line interfaces.

### 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- NHOPEEW 9-inch Android Car Stereo Unit
- CANBUS Decoder
- Power Cable
- RCA Cable
- USB Cables (3-pin and 6-pin)
- Reversing Input Cable
- Radio Antenna
- GPS Antenna
- Backup Camera
- Installation Harness
- External Microphone
- Installation Tools
- User Manual (this document)



Image 3.1: Visual representation of the included package components.

## 4. SETUP AND INSTALLATION

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation to prevent electrical damage.

### 4.1 General Wiring Diagram

Refer to the diagram below for connecting the main power, RCA, USB, and antenna cables to the head unit.



Image 4.1: Overview of the main cable connections to the car stereo unit.

## 4.2 CANBUS Connection

The CANBUS decoder is essential for integrating the stereo with your vehicle's existing systems, including steering wheel controls. Ensure the CANBUS box is correctly connected, and the 8-pin cable is plugged into the head unit's connector.

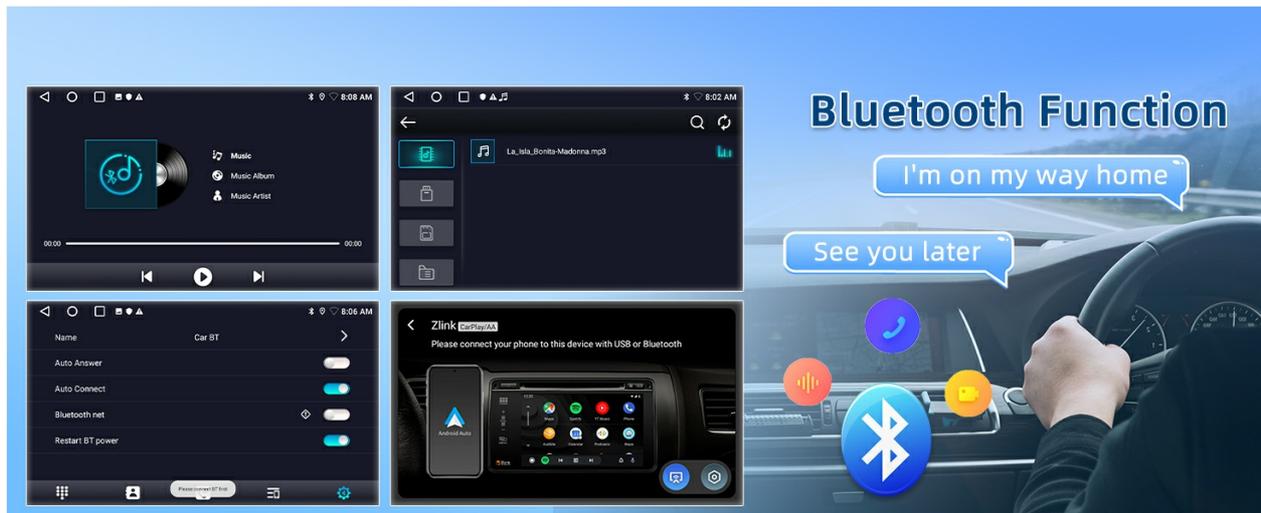


Image 4.2: Instructions for connecting the CANBUS module to enable steering wheel controls.

## 4.3 Steering Wheel Control (SWC)

Once the CANBUS is correctly installed, the original steering wheel controls will function with the new stereo. This allows for convenient operation of audio and other functions without taking your hands off the wheel.



Image 4.3: Demonstration of steering wheel control integration with the car stereo.

## 4.4 Reversing Camera Wiring

Connect the backup camera according to the following steps:

1. Connect the positive terminal of the camera's power supply to the positive terminal of the reverse light.
2. Connect the negative terminal of the camera's power supply to the negative terminal of the reverse light.
3. The reversing trigger is controlled by the stereo; no additional trigger wire connection is needed for the stereo itself.



Image 4.4: Detailed wiring instructions for the reversing camera.

The system supports original car rear view cameras and includes an AHD back camera with night vision, a 170° viewing angle, and high-definition display with guidelines.

## Professional DSP With 36EQ

The highest quality sound algorithms have been employed to create a more comprehensive audio output to satisfy users seeking higher sound.



Image 4.5: Features of the supported rear view camera, including night vision and wide-angle view.

## 5. OPERATING INSTRUCTIONS

### 5.1 Wireless CarPlay and Android Auto

The unit features built-in wireless and wired CarPlay and Android Auto. Connect your smartphone to access navigation, make calls, send messages, and play music directly from the stereo interface. Voice commands are supported.



Image 5.1: Display of Wireless CarPlay and Android Auto interfaces.

### 5.2 GPS Navigation and WiFi Hotspot

The stereo includes built-in offline maps. Connect to a WiFi hotspot to download and update online maps, access real-time traffic information, and use other online services. WiFi connectivity also enables streaming video and music from applications like YouTube, TikTok, or Spotify.

## Please Note

Before purchasing, please check your radio line interface. If your radio line interface is the same as the one in the diagram below, you will need to purchase a separate car optical fiber box. Please contact customer service for guidance.



Image 5.2: GPS navigation display and WiFi connection options.

### 5.3 DSP Audio and FM/RDS Radio

The integrated Digital Signal Processing (DSP) with a 36-band equalizer allows for extensive audio customization. Adjust sound settings for various music genres (Pop, Rock, Jazz, Classical) or create custom profiles. The FM/RDS radio supports a wide range of stations, providing clear audio quality.



Image 5.3: Professional DSP with 36-band equalizer for audio customization.



Image 5.4: FM/RDS radio interface showing frequency tuning and station display.

### 5.4 Bluetooth Function

Pair your mobile device via Bluetooth for hands-free calling and audio streaming. The system supports phonebook access and automatic connection for convenience.



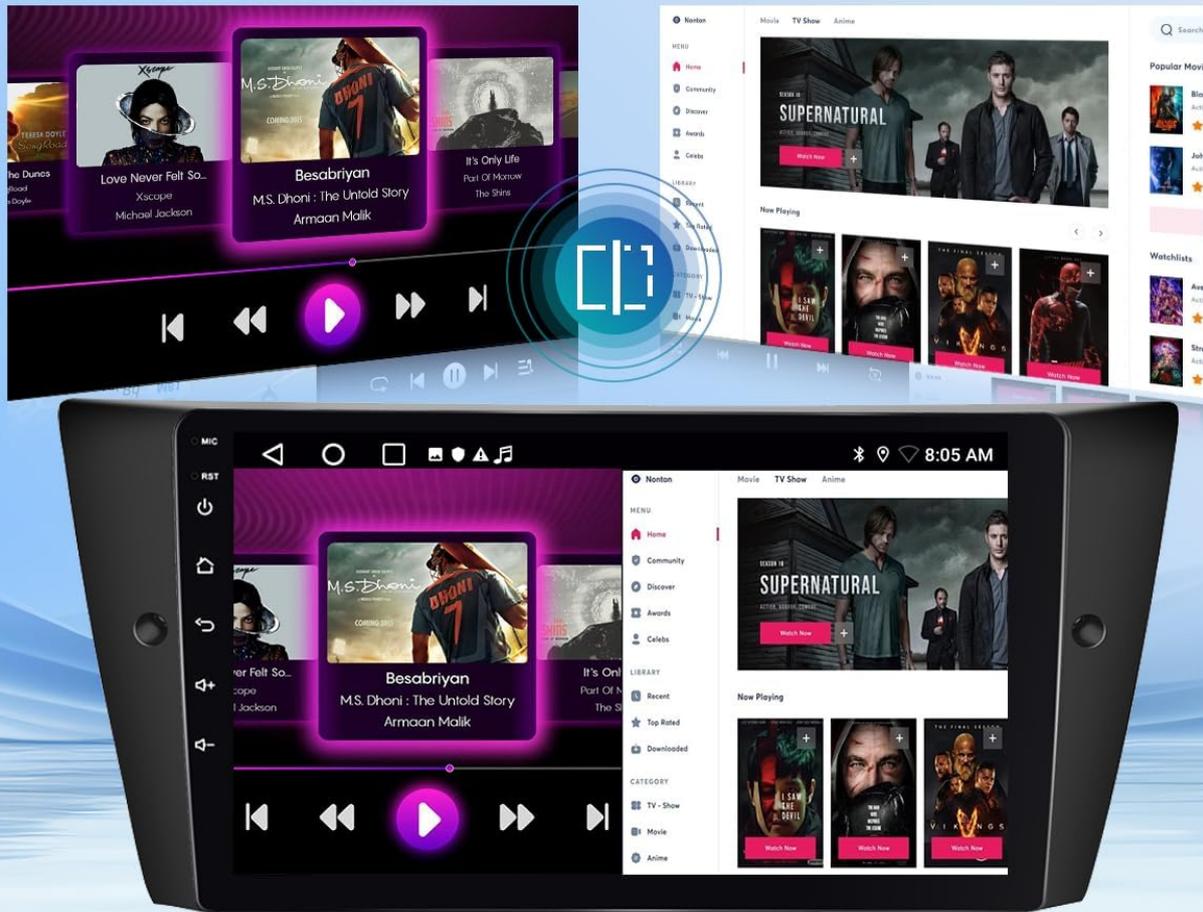
Image 5.5: Bluetooth interface for phone pairing and music playback.

### 5.5 Split Screen Functionality

Utilize the split-screen feature to run two applications simultaneously on the 9-inch display. This allows for multitasking, such as using navigation while controlling music playback.

# Split Screen

Use two apps at the same time on the device's screen and customize the size and position of each app.



Supports DAB+/OBD2/DVR/MIC/USB



Image 5.6: Example of two applications running concurrently in split-screen mode.

## 5.6 Mirror Link

The Mirror Link function allows you to cast your iOS or Android smartphone screen directly to the car stereo display, providing a larger view for your phone's content.



Image 5.7: Mirror Link functionality displaying a smartphone screen on the car stereo.

## 5.7 Customizable UI Themes

Choose from 26 multiple UI desktop themes to personalize the appearance of your car stereo interface.



Image 5.8: Examples of different desktop themes available for customization.

## 6. SPECIFICATIONS

Key technical specifications of the NHOPEEW Android Car Stereo:

- **Model Number:** 2+64G
- **Operating System:** Android 13
- **RAM:** 2GB
- **ROM:** 64GB
- **Screen Size:** 9 Inches
- **Display Type:** HD 2.5D Tempered Glass Touchscreen
- **Resolution:** 1024\*600
- **Connectivity:** Bluetooth, USB, Wi-Fi, 5G (via hotspot)
- **Audio:** DSP with 36-band EQ, Subwoofer Output
- **Radio:** FM/RDS
- **Video Playback:** 1080P HD
- **Compatibility:** BMW 3 Series E90 E91 E92 E93 (2005-2012)

- **Item Weight:** 3.21 pounds
- **Package Dimensions:** 11.85 x 6.85 x 4.53 inches

## Parameter Configuration

**Running Speed**

Other System    Android

1024\*600 High Resolution

Upgraded Android 13 System

9 inch 2.5D Anti-scratch Tempered Glass Touchscreen

**Scratch Prevention**

**High Temperature protection**

Image 6.1: Visual representation of key specifications including Android version, RAM, ROM, and screen resolution.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your NHOPEEW Android Car Stereo.

### 7.1 No Power / Unit Does Not Turn On

- Check all power cable connections to ensure they are secure.
- Verify the vehicle's fuse related to the stereo power supply.

- Ensure the vehicle's battery is charged and properly connected.

## 7.2 No Sound Output

- Check speaker wire connections.
- Ensure the volume is not muted or set to a very low level.
- Verify that the correct audio source is selected (e.g., FM, Bluetooth, USB).
- If using an optical fiber box, ensure it is correctly installed and functioning.

## 7.3 GPS Signal Loss or Inaccurate Navigation

- Ensure the GPS antenna is properly connected and placed in a location with a clear view of the sky (e.g., on the dashboard).
- Check if the GPS application settings are correct.
- Update offline maps or ensure a stable WiFi connection for online maps.

## 7.4 Steering Wheel Controls Not Working

- Confirm that the CANBUS decoder is correctly installed and connected to the head unit's 8-pin connector.
- Check the CANBUS settings within the stereo's system menu.

## 7.5 Bluetooth Connectivity Issues

- Ensure Bluetooth is enabled on both the stereo and your mobile device.
- Delete previous pairings and attempt to re-pair the devices.
- Move your mobile device closer to the stereo.

## 7.6 Unit Freezes or Responds Slowly

- Restart the unit by turning off the vehicle's ignition and then restarting.
- Close unnecessary background applications.
- Consider performing a factory reset (note: this will erase all user data and settings).

# 8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car stereo.

## 8.1 Cleaning the Screen

Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.

## 8.2 Software Updates

Periodically check for software updates to ensure your unit has the latest features and performance enhancements. Updates can typically be performed via WiFi connection.

## 8.3 General Care

Avoid exposing the unit to extreme temperatures or direct sunlight for extended periods. Ensure proper ventilation around the unit to prevent overheating.

# 9. WARRANTY AND SUPPORT

NHOPEEW offers the following support for your product:

- **30-Day Refund Policy:** If you are not satisfied with your purchase, you may be eligible for a refund within 30 days.
- **2-Year Post-Sales Support:** Comprehensive support is available for two years after purchase.
- **Installation Assistance:** If the radio harness does not fit your vehicle, please contact customer service for assistance.

For any technical issues, questions, or support needs, please contact NHOPEEW customer service. Refer to your purchase documentation for specific contact details.