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› AINAVI 8.8 Inch Touch Screen CarPlay Radio for BMW E60 E90 CCC System User Manual

AINAVI AINAVI 8.8 Inch Touch Screen CarPlay Radio (BMW CCC System)

AINAVI 8.8 Inch Touch Screen CarPlay Radio for BMW CCC System

User Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AINAVI 8.8 Inch Touch Screen CarPlay Radio. This unit is designed to upgrade the multimedia capabilities of specific BMW models while retaining original vehicle functions.

1.1 Compatibility

This product is exclusively designed for BMW 3 Series E90, E91, E92, E93 and BMW 5 Series E60, E61, E63, E64 models manufactured between 2005 and 2008, specifically those equipped with the original BMW CCC system and a 10-Pin LVDS connector. It is not compatible with CIC systems (4-Pin LVDS) or NBT systems (6-Pin LVDS).

Compatible Models

For BMW 3 Series E90 E91 E92 E93 (2005–2008) CCC

For BMW 5 Series E60 E61 E63 E64 (2005–2008) CCC



For BMW 3 Series(2005-2008)CCC



For BMW 5 Series(2005-2008)CCC

Image 1.1: Compatible BMW 3 Series (E90-E93) and 5 Series (E60-E64) dashboards with CCC system.

1.2 Important Note: Audio AUX Requirement

Before purchasing or installing, ensure your vehicle has an original Audio AUX input. This device requires the original Audio AUX for proper sound integration. If your car does not have an Audio AUX input, this unit is not compatible.

Please Note !!



If your car have original Audio AUX, the device is fit for your car, please buy it directly. ✓

If your car DO NOT HAVE Audio AUX, please DO NOT BUY! ✗



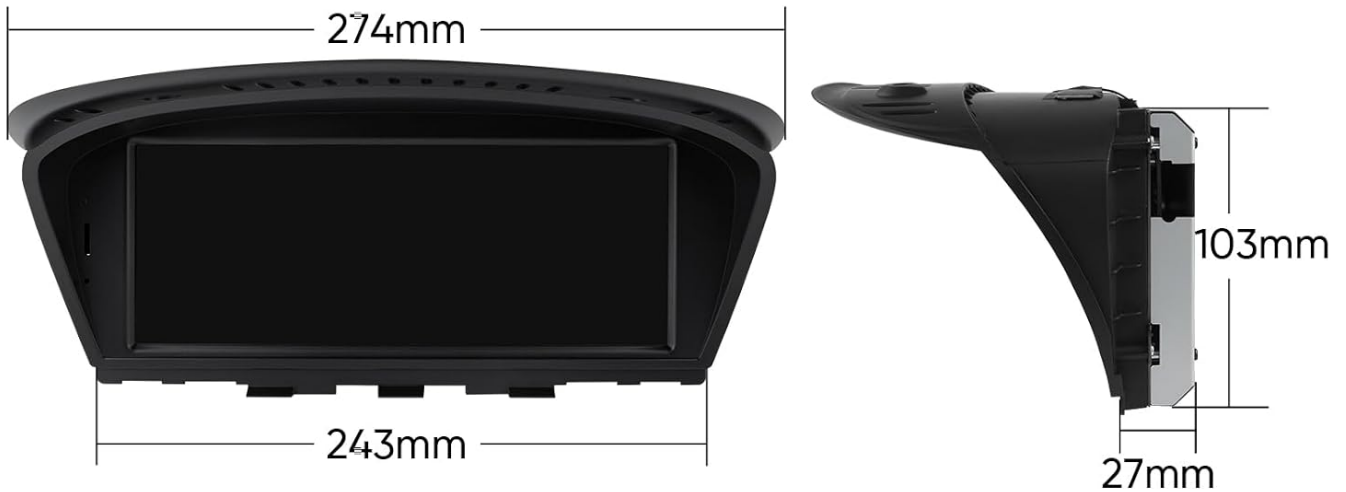
Image 1.2: Verify the presence of 'Audio AUX' in your original BMW system menu.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 8.8" Linux Head Unit (1x)
- ISO Wiring Harness Cable (1x)
- Audio Extension Cable (1x)
- USB Cable (1x)
- Installation Instruction (1x)

Size



Accessories



1 X ISO Wiring Harness



1 X USB Cable



1 X Audio Cable



1 X Installation Instruction

Image 2.1: Included accessories: ISO wiring harness, USB cable, audio cable, and installation instructions.

3. SETUP & INSTALLATION

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation.

3.1 Identify Your iDrive System

It is crucial to correctly identify your BMW's original iDrive system (CCC, CIC, or NBT) before installation. This unit is only compatible with CCC systems. To verify, remove the original screen and check the LVDS port connector type.

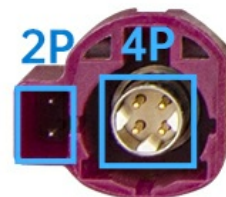
CCC System: 10-Pin LVDS Plug

CIC System: 4-Pin LVDS Plug

NBT System: 6-Pin LVDS Plug

Identify iDrive System

Before buying! Please kindly remove down the original Screen on a BMW car!
And check the LVDS port if your car's system is CIC, CCC or NBT ?



NBT System LVDS Plug (6 pins)



CIC System LVDS Plug (4 pins)



CCC System LVDS Plug (10 pins)

Image 3.1: Visual guide to identifying your BMW's iDrive system by its LVDS plug.

3.2 Wiring Diagram

Refer to the following diagram for correct wiring connections. Ensure all cables are securely connected to their respective ports.

Wiring Diagram



Image 3.2: Detailed wiring diagram for the head unit. Key connections include ISO Wiring Harnesses, CAM-PWR for aftermarket backup

3.3 General Installation Steps

Follow the detailed installation instructions provided in your package. Key steps typically involve:

1. Remove the original BMW display and trim.
2. Connect the provided ISO wiring harness to the vehicle's existing wiring.
3. Connect the LVDS cable from the new unit to the vehicle's LVDS port.
4. Route the USB and audio extension cables to desired locations.
5. Mount the new 8.8-inch head unit into the dashboard.
6. Reconnect the vehicle battery and test functionality.

How to reach us for installation & technical support?

STEP 1

In Stock

Qty: 1 ▾

Add to Cart

Buy Now

Payment Secure transaction

Ships from Amazon

Sold by HomeCar

Returns

Support

HomeCar

Visit the HomeCar storefront

★★★★★ 100% positive in the last 12 months (11 ratings)

About Seller

HomeCar is committed to providing each customer with the highest standard of customer service.

Have a question for HomeCar?

Ask a question

Step 1

Click "HomeCar"

Step 2

Click "Ask a question"

Step 3

Please send us pictures or videos of the technical or installation questions you met.

Then we will get back to you as soon as possible.

Image 3.3: Reference for general installation steps. Consult the included instruction manual for specific details.

4. OPERATING INSTRUCTIONS

4.1 System Switching

The unit operates with dual systems, allowing you to switch between the original BMW CCC system and the new Linux-based CarPlay/Android Auto system. This ensures that all original car functions are retained while providing enhanced multimedia capabilities.

System switching

The original vehicle system and Carplay can be switched freely.



Image 4.1: Seamless switching between the original vehicle system and the CarPlay interface.

4.2 Wireless CarPlay & Wired Android Auto

The unit features built-in wireless Apple CarPlay and wired Android Auto. Connect your smartphone via Bluetooth for wireless CarPlay or use a USB cable for wired Android Auto to access navigation, calls, messages, and music directly on the display.



Image 4.2: Wireless Apple CarPlay and Wired Android Auto functionality.

4.3 Retained Original BMW Features

This unit is designed to retain and be compatible with various original BMW features, including:

- iDrive Knob control
- Original Bluetooth
- Original Radio
- OEM rear camera
- Radar display
- Steering wheel controls
- Original Amplifier System
- Original Car Information Display (speed, fuel level, oil pressure, safety warnings)

Support Original BMW System



Retains the
iDrive system



Retains
Amplifier System



Support Original
Car Information Display



Support Original
Backup Camera



Support Steering
Wheel Control Function



Retains Original
CD Player



Retains Original
Radio



Retains Original
Bluetooth

Image 4.3: The unit supports original BMW features for a seamless integration.

4.4 Bluetooth 5.1 & Dual WiFi Band

The integrated Bluetooth 5.1 module supports audio streaming, automatic phone book transfer, and hands-free calling. The dual WiFi band connectivity (2.4GHz and 5GHz) provides a stable and fast internet connection for online features.

5. MAINTENANCE

To ensure the longevity and optimal performance of your AINAVI CarPlay Radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the screen and exterior. Avoid abrasive cleaners, solvents, or aerosol sprays.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Software Updates:** Periodically check for available software updates from AINAVI to ensure the best performance.

and access to new features.

- **Power:** Ensure the vehicle's electrical system is stable. Avoid frequent power fluctuations.

6. TROUBLESHOOTING

If you encounter issues with your AINAVI CarPlay Radio, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power/Unit does not turn on	Loose power connection, blown fuse, incorrect wiring.	Check all power cables and connections. Inspect vehicle fuses. Verify wiring against the diagram.
No sound or distorted sound	Audio AUX not selected, incorrect audio input, loose audio cables.	Ensure Audio AUX is selected on your original BMW system. Check audio extension cable connections.
CarPlay/Android Auto not connecting	Bluetooth/USB connection issue, phone settings.	For CarPlay, ensure Bluetooth is enabled and paired. For Android Auto, try a different USB cable. Check phone settings for CarPlay/Android Auto permissions.
Touch screen unresponsive	Software glitch, screen damage.	Restart the unit (turn off and on vehicle ignition). If issue persists, contact support.
Original BMW functions not working	Incorrect LVDS connection, system switching error.	Verify LVDS cable connection. Ensure proper system switching.

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

7. SPECIFICATIONS

Key technical specifications of the AINAVI 8.8 Inch Touch Screen CarPlay Radio:

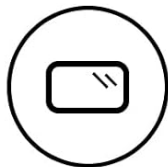
- **Screen Size:** 8.8 Inches
- **Display Type:** LCD
- **Resolution:** 1280x480 HD
- **Touch Screen Type:** Capacitive, Glass to Glass 2.5D
- **Operating System:** Linux System
- **Connectivity:** Wireless CarPlay, Wired Android Auto, Bluetooth 5.1, Dual WiFi Band (2.4GHz & 5GHz)
- **Audio Output Mode:** Stereo, Built-in DSP processing chips, 16-band EQ
- **Compatible Devices:** iPhone and Android Phones
- **Supported Satellite Navigation System:** GPS
- **Vehicle Service Type:** Car (BMW 3/5 Series E60-E64, E90-E93 CCC System 2005-2008)
- **Item Weight:** 1.55 Kilograms

Glass to Glass 2.5D Touch Screen

 High Performance

8.8"

1280x480



Grade-A



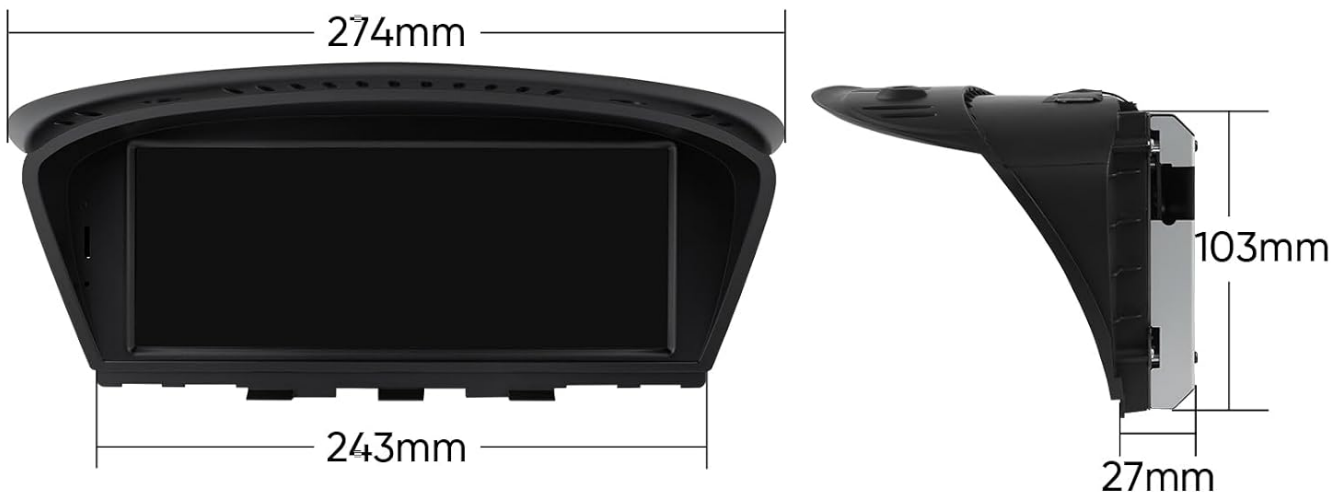
IPS Technology



Touch Screen

Image 7.1: The 8.8-inch 1280x480 HD LCD display features 2.5D glass and IPS technology.

Size



Accessories



1 X ISO Wiring Harness



1 X USB Cable



1 X Audio Cable



1 X Installation Instruction

Image 7.2: Physical dimensions of the 8.8-inch head unit.

8. WARRANTY INFORMATION

The AINAVI 8.8 Inch Touch Screen CarPlay Radio comes with a **12 Months Manufacturer Guarantee** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, misuse, abuse, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For technical assistance, installation questions, or any other inquiries regarding your AINAVI CarPlay Radio, please contact our customer support team. We offer 24-hour engineer support.

9.1 Contact Methods

- **Online Support:** If purchased from Amazon, you can reach us via your order center. Navigate to your order, click on the seller name (HomeCar), and then select 'Ask a question'. Please provide pictures or videos of your technical or

installation questions for faster resolution.

- **Hotline:** +1 (833) 858-5016 (Working hours: 01:00 PM to 00:00 AM PST)
- **Email:** info@ainavi.com



Image 9.1: Guide to contacting support through Amazon's order center.

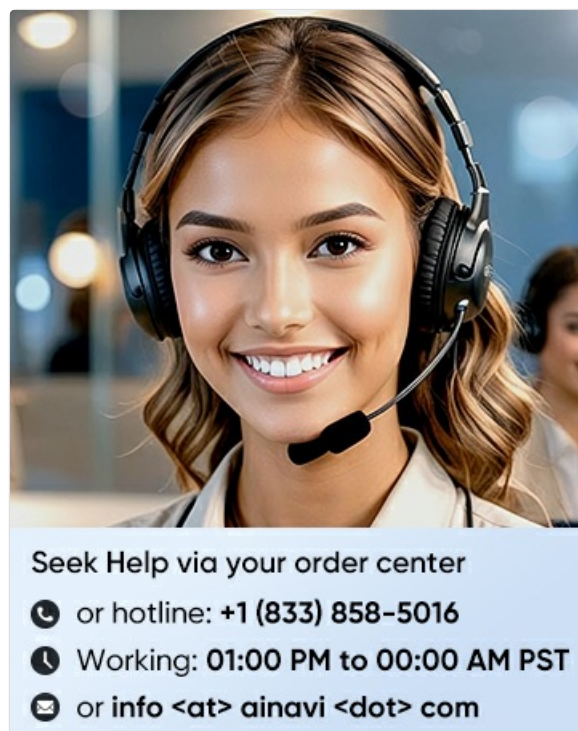


Image 9.2: AINAVI customer support contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question