

AINAVI Qualcomm 665 (4GB + 64GB) for BMW X5 X6 CCC E70 E71 (2007-2010)

AINAVI 10.25-inch Android Multimedia Navigation System User Manual

Model: Qualcomm 665 (4GB + 64GB) for BMW X5 X6 CCC E70 E71 (2007-2010)

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AINAVI 10.25-inch Android Multimedia Navigation System. Designed specifically for BMW X5 (E70) and X6 (E71) models from 2007-2010 with the CCC system, this unit upgrades your vehicle's infotainment experience while retaining original factory features.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your enjoyment of the product.

PRODUCT FEATURES

- **High-Performance Processor:** Equipped with Qualcomm Snapdragon 665, ARM Kryo 260 Octa-core Processor (up to 2.0 GHz, 14 NM Technology) and Adreno 610 GPU for smooth and stable performance.
- **Operating System:** Android 11 with 4GB RAM and 64GB ROM (eMMC + LPDDR4X).
- **Display:** 10.25-inch IPS touch screen with 1920x720 resolution, offering a 178° full-viewing angle for clear visibility.
- **Seamless Integration:** Retains all original BMW factory features including iDrive controller, steering wheel controls, factory TPMS, backup camera, parking radar sensors, 360 cameras, factory radio, DAB+ radio, and OEM microphone.
- **Connectivity:** Built-in 4G LTE module (SIM card required, check regional compatibility), Dual-band WiFi (2.4Ghz & 5Ghz), and Bluetooth 5.0.
- **Smartphone Integration:** Supports built-in wireless and wired Apple CarPlay, and wireless and wired Android Auto for seamless phone connectivity.
- **Navigation:** Built-in GPS navigation with support for online traffic information (when connected to network) and offline maps.
- **Voice Control:** Access voice commands directly via "Hey Siri" or "Hey Google".

PACKAGE CONTENTS

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

- 1x 10.25" Android Head Unit
- 1x ISO Wiring Harness
- 1x GPS Antenna
- 1x Audio Cable
- 1x 4G LTE Antenna
- 1x 4G LTE SIM Slot & USB Cable
- 1x User Manual & Installation Instruction
- 1x Frame Removal Tool

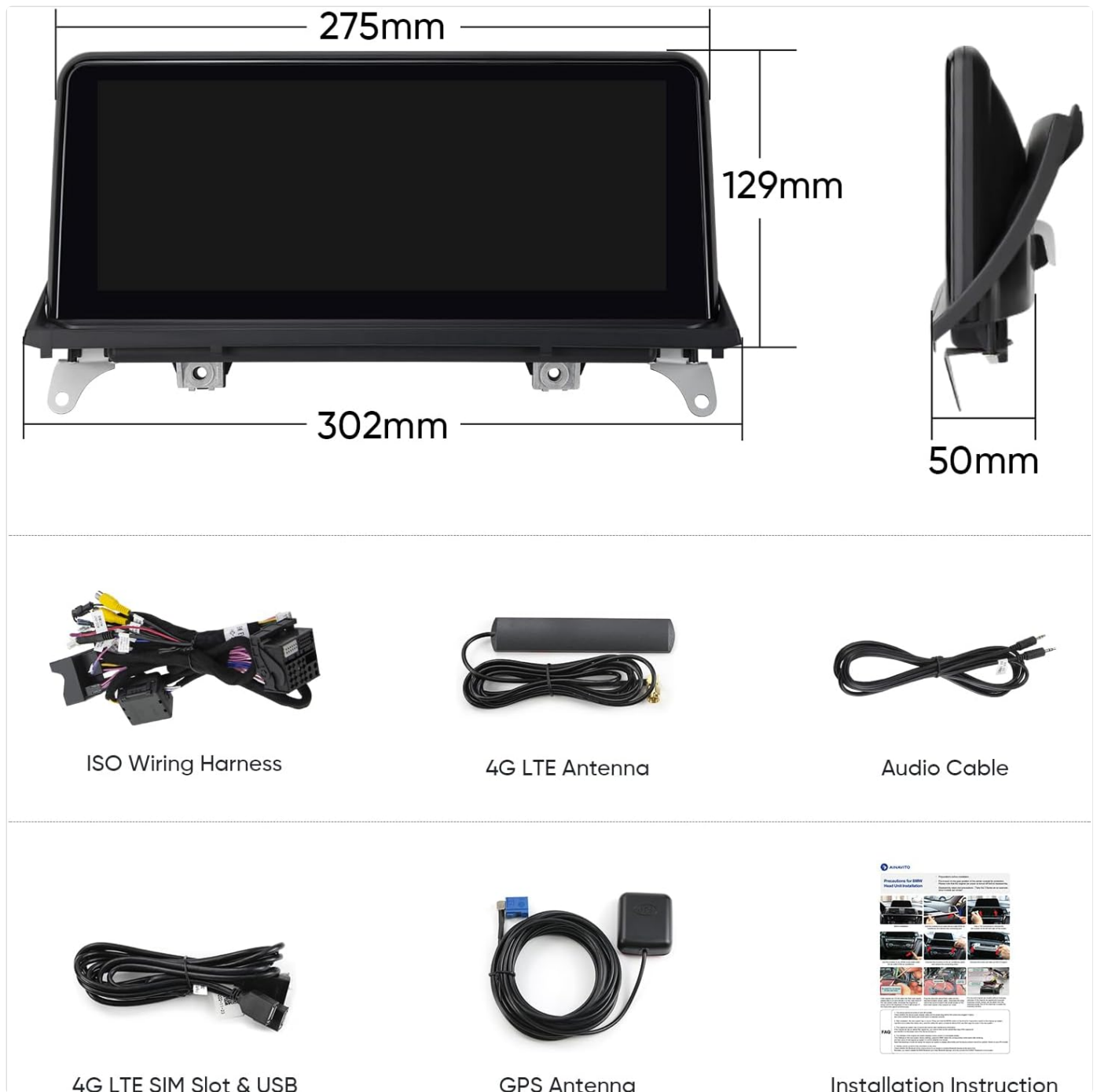


Image: Overview of the AINAVI 10.25-inch Android Head Unit dimensions and included accessories such as the ISO wiring harness, 4G LTE antenna, audio cable, 4G LTE SIM slot & USB cable, GPS antenna, and installation instructions.

INSTALLATION GUIDE

1. Compatibility Check: Identify your iDrive System

Before proceeding with installation, it is crucial to identify the type of iDrive system present in your BMW. This unit is specifically designed for BMW X5 (E70) and X6 (E71) models from 2007-2010 equipped with the **CCC System LVDS Plug (10 pins)**. Incorrect system identification may lead to incompatibility or damage.

To verify, gently remove your original screen and check the LVDS port. Refer to the image below for visual identification of different BMW iDrive system plugs.

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: Visual guide to identifying BMW iDrive system LVDS plugs, including NBT (6 pins), CIC (4 pins), and the compatible CCC (10 pins) system.

2. Wiring Diagram

Follow the wiring diagram carefully to connect the new head unit to your vehicle's existing electrical system. Ensure all connections are secure before powering on the device.



Image: Comprehensive wiring diagram illustrating connections for the ISO wiring harness, DVR-CVBS, AUX-OUT, CCD-CVBS, 360-DET, CAM-PWR, C-OUT, GND, 5V-OUT, USB ports, 4G LTE SIM slot, GPS antenna, 4G LTE antenna, and LVDS port (10 pins CCC system).

3. General Installation Steps

1. Disconnect the vehicle's battery before starting any electrical work.
2. Carefully remove the original BMW screen and associated trim using the provided frame removal tool.
3. Connect the new head unit's wiring harness to the vehicle's existing connectors, following the wiring diagram.
4. Install the GPS antenna and 4G LTE antenna in suitable locations, ensuring clear signal reception.
5. Route all cables neatly to avoid interference and ensure a clean installation.
6. Mount the new AINAVI head unit securely in the dashboard.
7. Reconnect the vehicle's battery and test the unit's functionality.
8. Reassemble any removed trim pieces.

OPERATING INSTRUCTIONS

1. Basic Operation and Interface

The AINAVI head unit features a responsive 10.25-inch touch screen. Navigate through menus and applications by tapping, swiping, and pinching. The system also retains compatibility with your original iDrive controller and steering wheel buttons for familiar control.



Image: The main display of the AINAVI head unit, showcasing its user interface with sections for vehicle information, customizable patterns, call management, and a digital dashboard.

2. Wireless Apple CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly or via USB to access Apple CarPlay or Android Auto. This allows you to use navigation, make calls, send messages, and play music directly from your phone's interface on the head unit's screen.

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- On the head unit, select the CarPlay or Android Auto application.
- Follow the on-screen prompts to pair your device.
- For voice commands, simply say "Hey Siri" or "Hey Google".

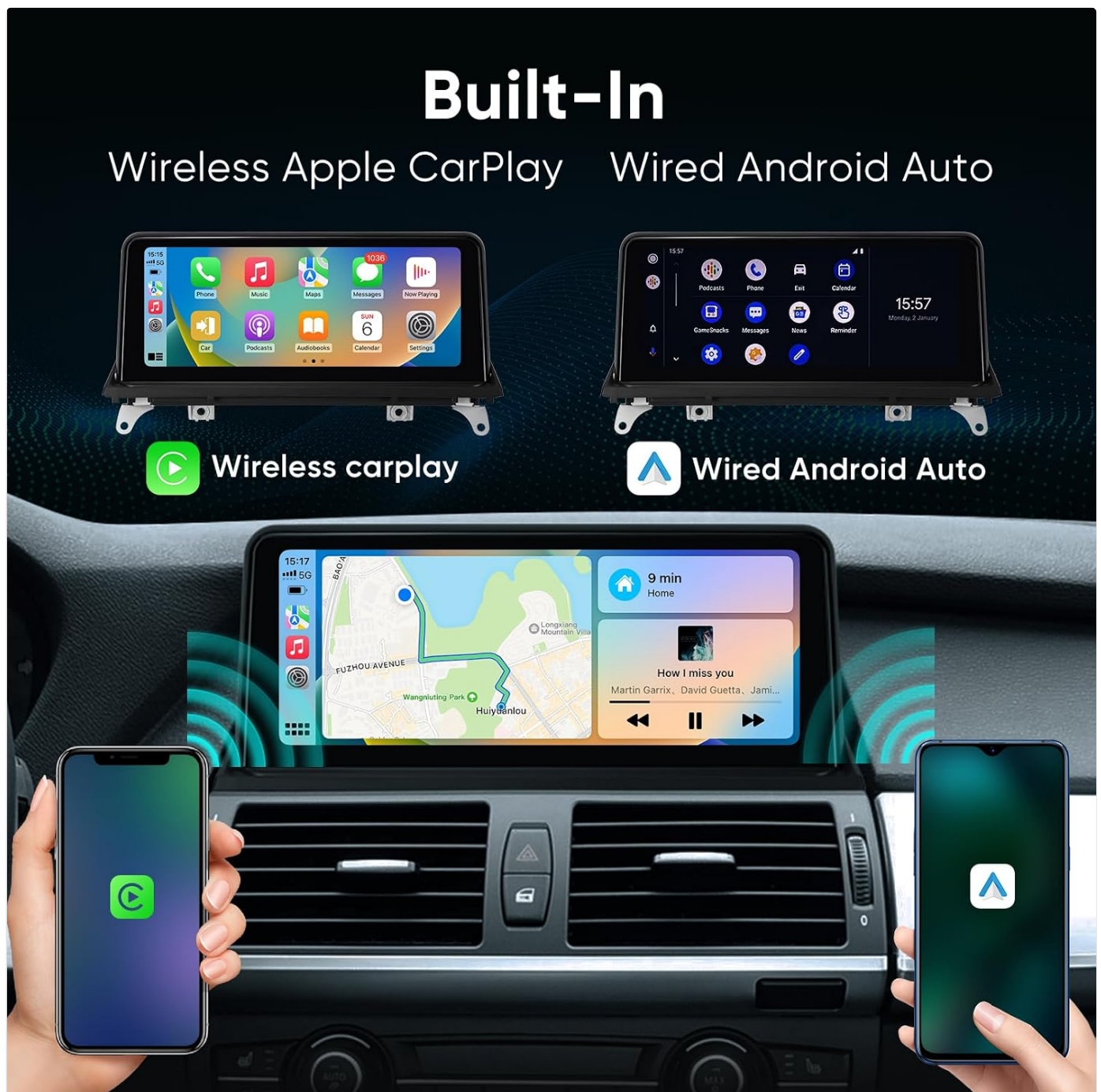


Image: Demonstrates the wireless Apple CarPlay and wired Android Auto features, showing how smartphones integrate with the head unit for navigation and app access.

3. GPS Navigation

The built-in GPS module provides accurate navigation. You can use pre-installed maps or download additional navigation applications from the Google Play Store.

- **Online Navigation:** Connect the head unit to a network (via 4G LTE or Wi-Fi) to receive real-time traffic information and online map updates.
- **Offline Navigation:** Download offline maps to the unit's storage for navigation without an internet connection.

4. 4G LTE & Wi-Fi Connectivity

Insert a compatible 4G LTE SIM card into the designated slot to enable mobile data connectivity. The unit also supports dual-band Wi-Fi (2.4Ghz and 5Ghz) for high-speed internet access when connected to a hotspot or home network.

5. Bluetooth 5.0 Functions

Pair your smartphone via Bluetooth 5.0 for hands-free calling, audio streaming, and phonebook synchronization.

- Go to the Bluetooth settings on the head unit.
- Enable Bluetooth on your phone and search for available devices.
- Select the head unit from the list and confirm pairing.

6. Original Car Information Display Integration

The system seamlessly integrates with your original BMW infotainment system, allowing you to view essential car information such as speed, fuel level, oil pressure, and safety warnings directly on the new display. You can also customize the dashboard theme.



Image: The head unit's display showing integrated original car information, including customizable gauges for speed, engine speed, fuel remaining, temperature, parking brake status, and seat belt reminder.

7. Multiple UI Themes

Personalize your driving experience by choosing from various user interface themes available within the system settings.



Image: Examples of multiple user interface themes that can be selected on the AINAVI head unit, offering different visual styles for the dashboard and application screens.

MAINTENANCE

To ensure the longevity and optimal performance of your AINAVI Multimedia Navigation System, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen-specific cleaner. Avoid abrasive materials or harsh chemicals that could damage the screen.
- **Software Updates:** Periodically check for and install software updates to ensure the system has the latest features, bug fixes, and security enhancements. Updates can typically be found in the system settings or on the manufacturer's website.
- **Environmental Conditions:** 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 damage.

TROUBLESHOOTING

This section addresses common issues you might encounter. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection; Blown fuse; Vehicle battery low.	Check all power cables and connections. Inspect vehicle fuses. Ensure vehicle battery is charged.

Problem	Possible Cause	Solution
No sound from speakers.	Volume too low; Mute enabled; Incorrect audio source; Loose audio connections.	Increase volume. Check mute setting. Select correct audio input. Verify audio cable connections.
GPS signal lost or inaccurate.	GPS antenna obstructed or improperly installed; Poor satellite reception.	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Move vehicle to an open area.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone; Incorrect pairing; Phone software outdated.	Enable Bluetooth and Wi-Fi on phone. Re-pair device. Update phone's operating system. Try a different USB cable if wired.
Original BMW features not working.	Incorrect iDrive system identified; LVDS cable not connected properly.	Re-verify your BMW's iDrive system (must be CCC 10-pin). Check LVDS cable connection.

SPECIFICATIONS

Feature	Detail
Operating System	Android 11
Processor	Qualcomm Snapdragon 665, ARM Kryo 260 Octa-core (up to 2.0 GHz)
GPU	Adreno 610
RAM	4GB LPDDR4X
ROM	64GB eMMC
Display Size	10.25 Inches
Resolution	1920 x 720
Screen Type	IPS Touch Screen
Connectivity	Built-in 4G LTE Module, Dual-band Wi-Fi (2.4Ghz & 5Ghz), Bluetooth 5.0
Smartphone Integration	Wireless & Wired Apple CarPlay, Wireless & Wired Android Auto
Navigation	Built-in GPS
Compatible Devices	Android Phone, iPhone
Human Interface Input	Buttons, Microphone, Touchscreen
Audio Output Mode	Stereo
Item Weight	1.9 pounds
Package Dimensions	12.6 x 9.4 x 3.7 inches

WARRANTY AND SUPPORT

AINAVI provides a **one-year product warranty** for this multimedia navigation system. For any technical assistance, installation queries, or troubleshooting not covered in this manual, please contact our professional technical support team. You can reach us via Amazon email. We are committed to replying as soon as possible to assist you.

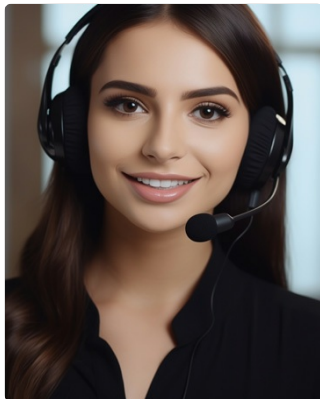


Image: A customer support representative ready to assist with product inquiries and technical support.

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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