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Uckazy B0FGTK4D42

Uckazy 12.3 Inch Android 14 Car Radio Instruction Manual for BMW X5 E70 X6 E71 (2007-2010) CCC System

Model: B0FGTK4D42 | Brand: Uckazy

1. Introduction

This instruction manual provides comprehensive guidance for the Uckazy 12.3 Inch Android 14 Car Radio, Model B0FGTK4D42. This device is specifically designed for BMW X5 E70 and X6 E71 vehicles manufactured between 2007 and 2010, equipped with the CCC (Car Communication Computer) system. Please read this manual thoroughly before installation and operation to ensure proper use and to maximize your driving experience with features like CarPlay and Android Auto.

2. Safety Information

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended to prevent damage to the product or your vehicle.
- **Vehicle Compatibility:** Ensure this unit is compatible with your specific BMW model (X5 E70, X6 E71) and year (2007-2010) and that your vehicle has a CCC system. Incorrect installation on a CIC system may cause issues.
- **Power Disconnection:** Always disconnect the vehicle's battery before performing any electrical work to avoid short circuits or electrical damage.
- **Cable Management:** Route all cables carefully to avoid interference with vehicle controls, airbags, or moving parts. Secure cables to prevent chafing or accidental disconnection.
- **Operating Temperature:** Do not expose the device to extreme temperatures or direct sunlight for prolonged periods, as this may affect performance and longevity.
- **Driving Safety:** Operate the device responsibly. Avoid prolonged interaction with the touchscreen while driving. Utilize voice commands for navigation and communication whenever possible.

3. Package Contents

Please verify that all items are present and in good condition upon opening the package:

- Uckazy 12.3 Inch Android 14 Car Radio Display Unit

- Power Cable Harness
- LVDS Cable
- GPS Antenna
- USB Cables
- Auxiliary Cable
- Installation Tools (if included)
- User Manual (this document)

4. Product Overview

The Uckazy 12.3 Inch Android 14 Car Radio is an advanced multimedia system designed to upgrade your BMW's in-car entertainment and navigation. It features a high-resolution IPS touch screen, powerful Octa-core processor, and integrated DSP for enhanced audio quality.



Figure 4.1: Overview of the Uckazy 12.3 Inch Android 14 Car Radio highlighting key features such as the 12.3" HD IPS screen, MediaTek Octa-core processor, 4GB RAM, 64GB ROM, and built-in DSP.

Key Features:

- **12.3-inch IPS Touch Screen:** Features a 1920x720 HD resolution with full lamination technology for clearer visuals and reduced reflection.
- **Android 14 System:** Powered by a 13 NM MediaTek Octa-core processor (4*Cortex A72 2.2GHz + 4*Cortex A51 1.8GHz) with 4GB RAM and 64GB ROM.
- **Wireless CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, music, calls, and messaging via voice commands (Siri or Google Voice Assistant).
- **Built-in DSP:** 16 EQ segments for advanced audio tuning, allowing customization of sound quality and speaker positioning.
- **Retains Original iDrive System:** Maintains full functionality of the original iDrive control, accessible in both the original system and the Android system.
- **Connectivity:** Supports 2.4G and 5.0G Wi-Fi.

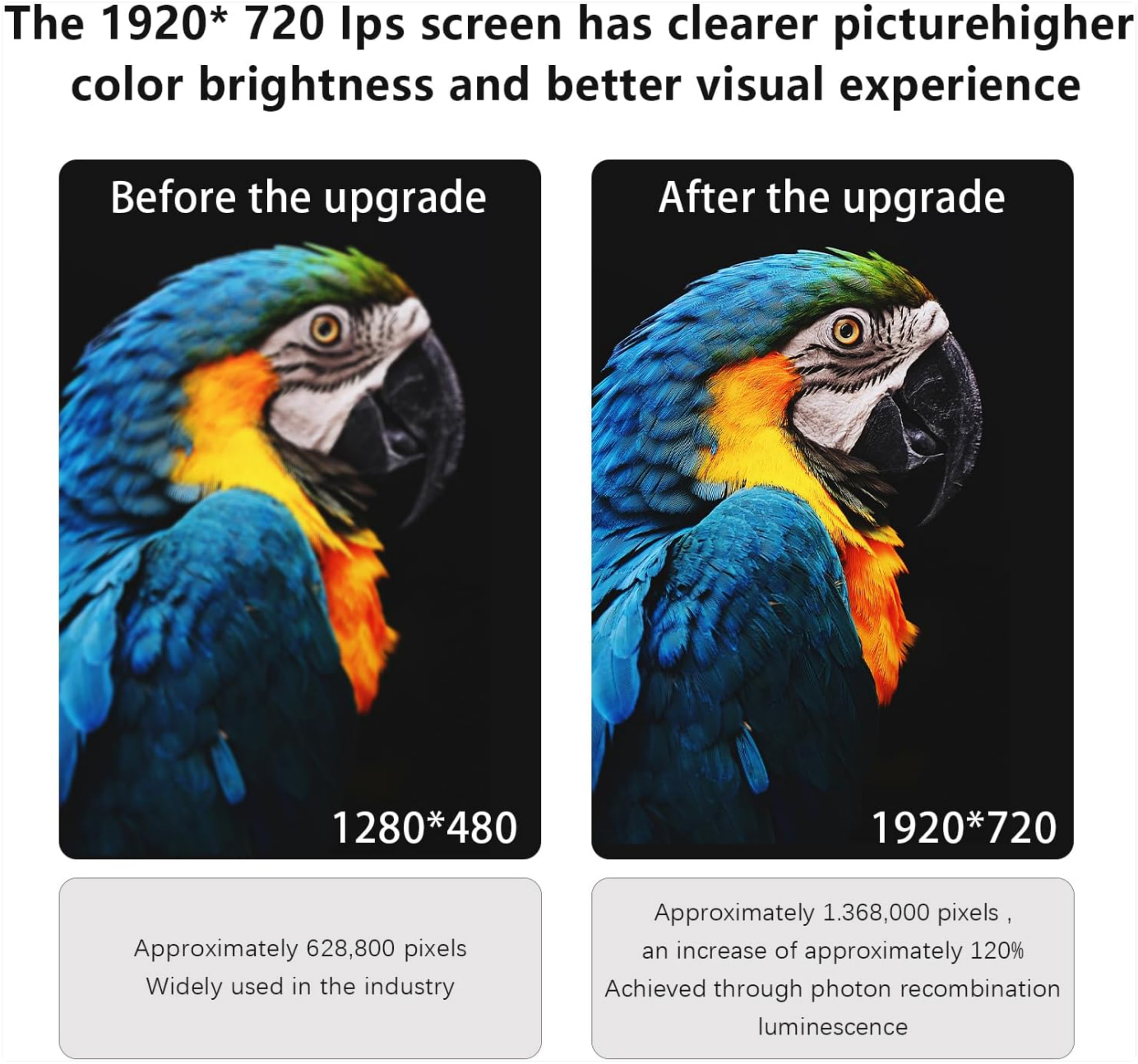


Figure 4.2: Comparison illustrating the enhanced visual experience with the 1920x720 IPS screen, showing clearer picture and higher color brightness compared to a 1280x480 screen.

For BMW X5/X6 E70



Figure 4.3: Demonstrates the wireless CarPlay and Android Auto functionalities, including navigation, music playback, and messaging, highlighting hands-free operation.

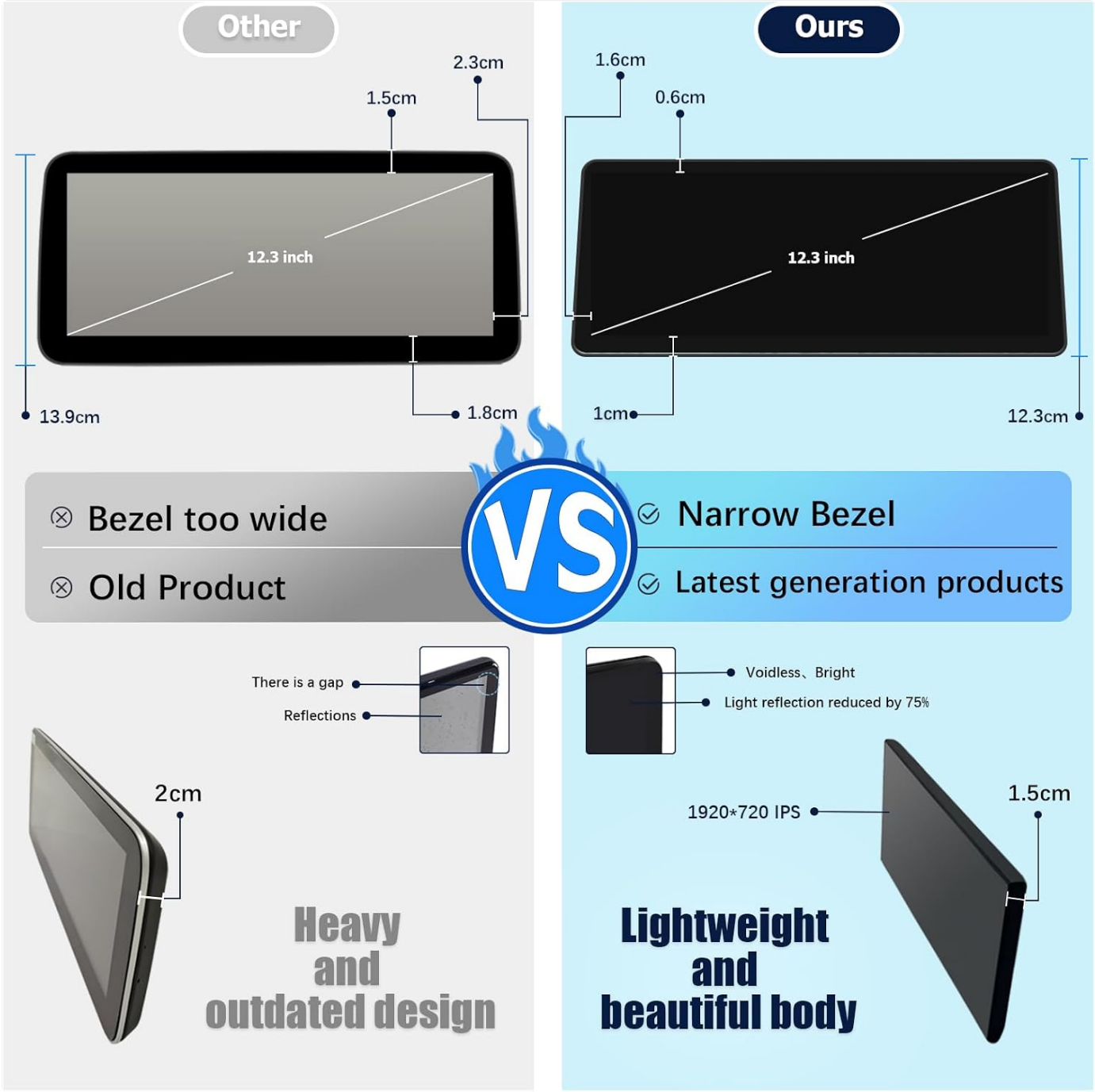


Figure 4.4: Illustrates the retention of original OEM features such as steering wheel control, compatibility with OEM reversing camera and parking radar, iDrive control, original car stereo sound, and the original CD/car system.

Compatible Models & Year

For BMW X5 E70 (2007-2010)
For BMW X6 E71 (2007-2010)

Note :

Before you purchase , please make sure your car system is CCC system firstly .If you can't make sure by yourself, you can get help from us.

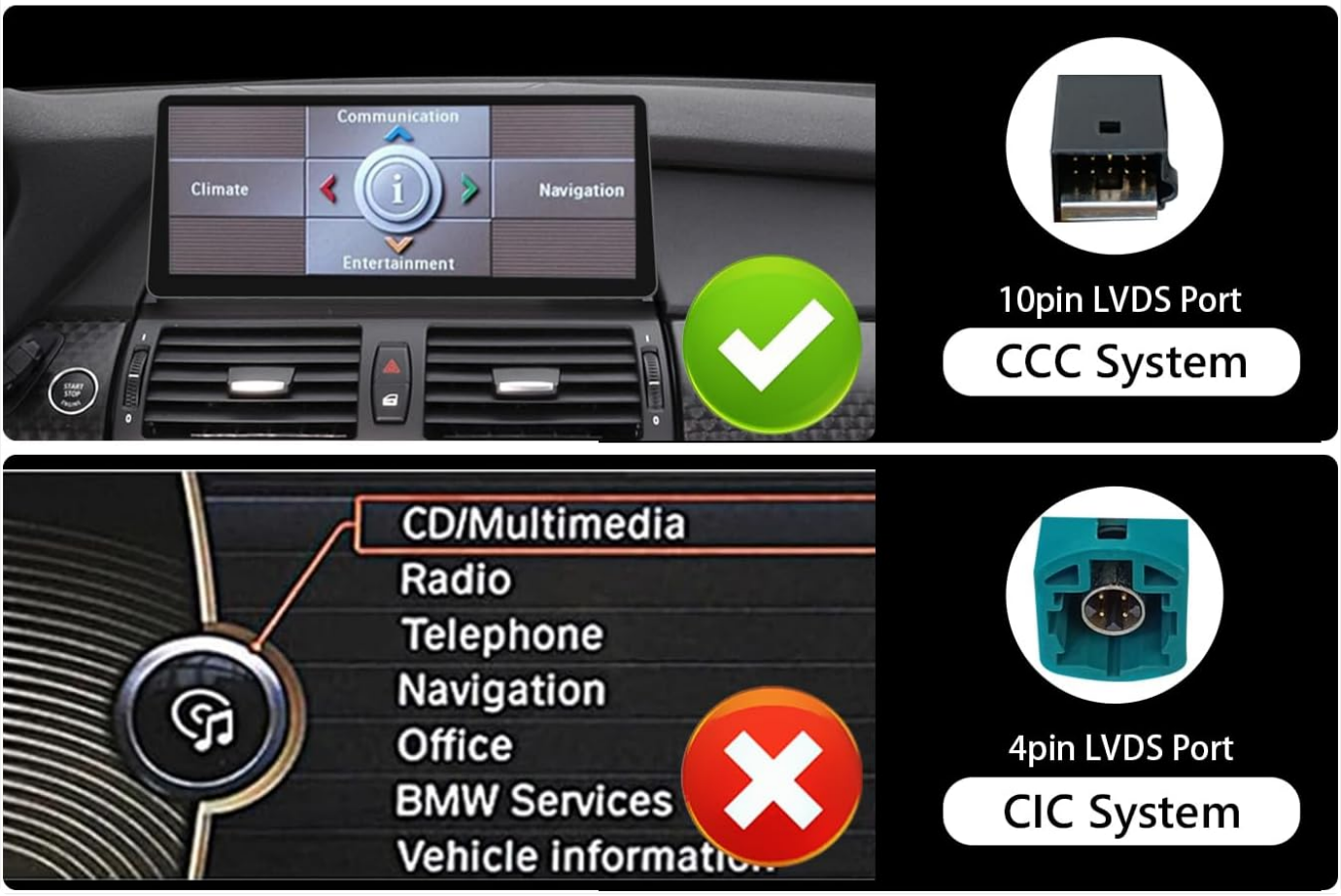


Figure 4.5: Shows the user interface for Wireless CarPlay and Android Auto, allowing access to various applications for navigation, music, and communication.

5. Compatibility

This Uckazy car radio is compatible with the following BMW models and systems:

- **BMW X5 E70:** Model years 2007-2010 (CCC System)
- **BMW X6 E71:** Model years 2007-2010 (CCC System)

Important Note: This device is designed for vehicles with the**CCC System**. It is crucial to verify your vehicle's system type before purchase and installation. If you are uncertain, please consult a professional or contact customer support.

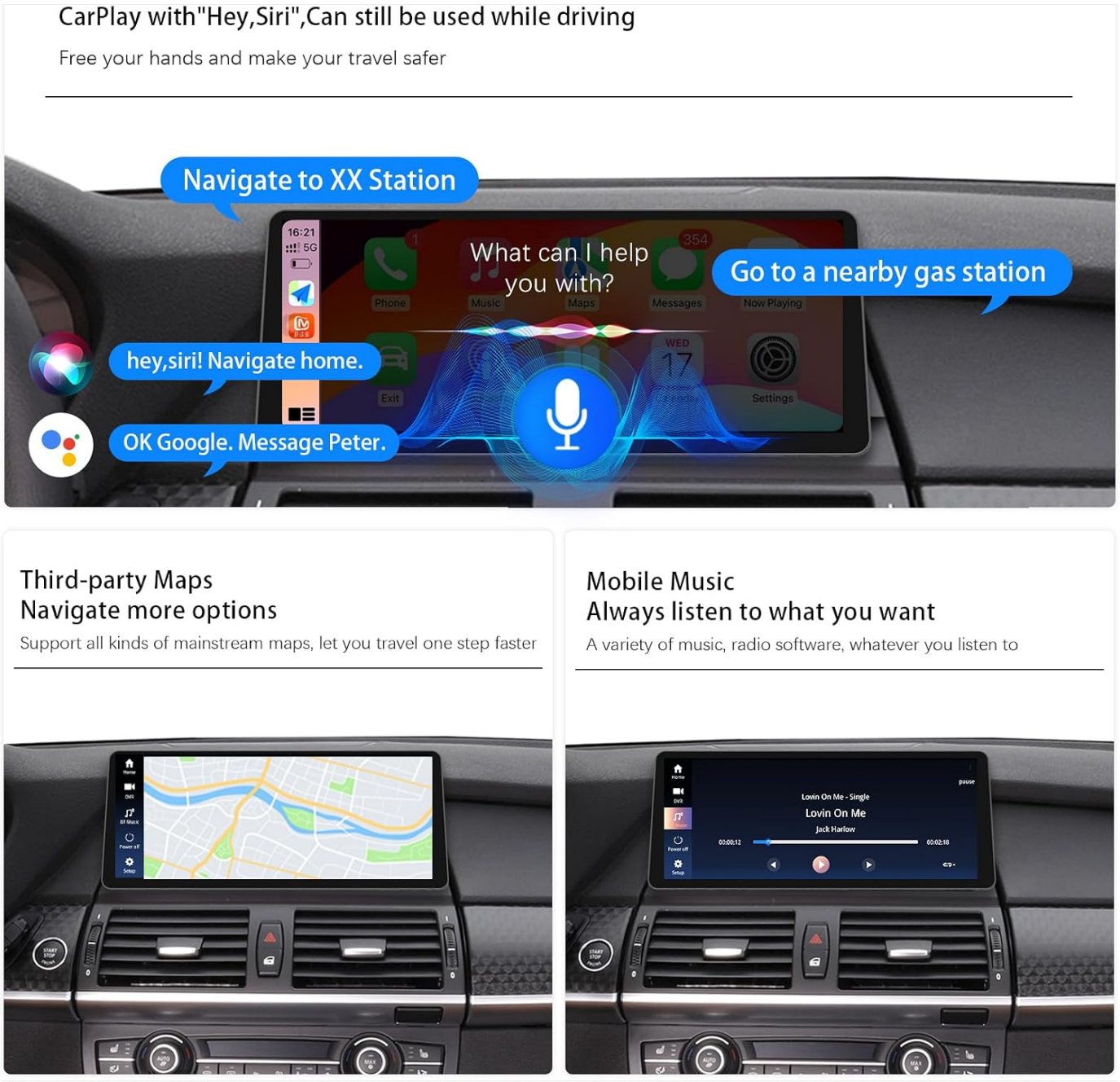


Figure 5.1: Visual comparison of the car's dashboard before and after installing the 12.3-inch display, showcasing the modern upgrade.



Figure 5.2: Guide to identify your car's system (CCC or CIC) by checking the LVDS port. The product is compatible with the 10-pin LVDS port of the CCC system, not the 4-pin LVDS port of the CIC system.

6. Setup and Installation

Installation of the Uckazy car radio requires careful attention to detail. If you are not confident in performing the installation yourself, please seek professional assistance.

6.1 Pre-Installation Checks

1. **Verify Compatibility:** Double-check your vehicle's model, year, and confirm it has a CCC system as described in Section 5.
2. **Gather Tools:** Ensure you have the necessary tools, which typically include trim removal tools, screwdrivers, and a multimeter.
3. **Disconnect Battery:** For safety, disconnect the negative terminal of your car's battery before starting any electrical work.

6.2 Wiring and Connections

The installation involves connecting the new display unit to your vehicle's existing wiring harness and the original head unit. Follow the provided wiring diagram carefully.

- **Power Cable:** Connect the new power cable harness to the original vehicle power cable. Ensure a secure connection.
- **LVDS Cable:** Connect the LVDS cable from the new display to the original head unit. This cable transmits video signals.
- **Fiber Optic Cable:** If your vehicle uses fiber optic cables for audio, you may need to transfer the original fiber optic cables to the new harness. Refer to the video below for guidance.
- **GPS Antenna:** Install the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **USB Cables:** Route the USB cables to an accessible location, such as the glove compartment, for future connectivity.
- **Auxiliary Cable:** Connect the auxiliary cable if required for audio input.

Your browser does not support the video tag.

Video 6.1: This video demonstrates the process of transferring fiber optic cables during the installation of the car radio. This step is crucial for maintaining audio functionality if your vehicle uses fiber optics.

6.3 Physical Installation

1. **Remove Original Display:** Carefully remove the original car display and trim pieces using appropriate trim removal tools.
2. **Mount New Display:** Securely mount the Uckazy 12.3-inch display in the dashboard opening.
3. **Reconnect Battery:** Once all connections are made and secured, reconnect the vehicle's battery.
4. **Test Functionality:** Power on the vehicle and test all functions of the new car radio, including audio, touch screen, navigation, and iDrive control.

7. Operating Instructions

7.1 Basic Operation

- **Power On/Off:** The unit typically powers on with the vehicle's ignition. To manually turn off the screen, use the "Screen off" option in the main menu.
- **Navigation:** Use the touchscreen to navigate through menus and applications. The iDrive controller can also be used to control the Android system.
- **Switching Systems:** The unit allows switching between the original BMW system and the Android system. Refer to the on-screen instructions for the specific method (usually a long press of a button or a specific menu option).

7.2 Wireless CarPlay and Android Auto

To use Wireless CarPlay or Android Auto, ensure your smartphone's Bluetooth and Wi-Fi are enabled.

1. **Enable Bluetooth:** On the car radio, navigate to the Bluetooth settings.
2. **Pair Device:** On your smartphone, search for and connect to the car radio's Bluetooth device name (e.g., "CAR-BT-7B:0").
3. **Confirm Pairing:** Follow any on-screen prompts on both the car radio and your smartphone to confirm the pairing.
4. **Activate CarPlay/Android Auto:** Once paired, CarPlay or Android Auto should automatically launch or be

selectable from the main menu. For CarPlay, ensure Siri is enabled on your iPhone.

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Video 7.1: This video provides a product overview for the Linux system 12.3 inch screen, demonstrating its interface and basic functionalities, including wireless CarPlay connection.

7.3 DSP Audio Settings

The built-in Digital Signal Processor (DSP) allows for advanced audio customization.

- **Access DSP:** Navigate to the audio settings menu to find the DSP equalizer.
- **16 EQ Segments:** Adjust the 16 equalizer segments to fine-tune the audio output to your preference.
- **Sound Field Adjustment:** Customize the sound field and speaker positioning (front, rear, left, right) to enhance the listening experience.
- **Preset Modes:** Utilize preset EQ modes for quick audio adjustments.



Figure 7.1: Screenshot of the built-in DSP interface, showing the 16 EQ segments available for detailed audio customization.

8. Maintenance

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates from the manufacturer to ensure optimal performance and access to new features. Updates can usually be performed via Wi-Fi or USB.
- **General Care:** Avoid placing heavy objects on the screen or exposing it to excessive moisture.

9. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
No Power / Screen Blank	Loose power connection, blown fuse, incorrect wiring.	Check all power cable connections. Verify vehicle fuses. Re-check wiring according to the diagram. Ensure the vehicle battery is properly connected.
No Sound	Incorrect fiber optic cable connection, volume too low, incorrect audio source selected.	Ensure fiber optic cables are correctly transferred and connected (refer to Video 6.1). Check volume levels on both the unit and the original car system. Select the correct audio input source.
CarPlay/Android Auto Not Connecting	Bluetooth/Wi-Fi off, incorrect pairing, Siri/Google Assistant disabled.	Ensure Bluetooth and Wi-Fi are active on both the unit and your smartphone. Re-pair the devices. For CarPlay, ensure Siri is enabled on your iPhone.
Display Upside Down (as per customer review)	Software glitch, incorrect setting.	Restart the unit. Check display settings for rotation options. If the issue persists, contact customer support for a software fix or firmware update.
Screen Bubbles (as per customer review)	Manufacturing defect, damage during shipping/installation.	This indicates a physical defect. Contact customer support or the seller for warranty replacement.

10. Specifications

Feature	Detail
Screen Size	12.3 inches
Screen Resolution	HD 1920x720 IPS
Operating System	Android 14
Processor	MediaTek Octa-core (4*Cortex A72 2.2GHz + 4*Cortex A51 1.8GHz)

Feature	Detail
RAM	4GB
ROM	64GB
Connectivity	Bluetooth, 2.4G/5.0G Wi-Fi
Special Features	Touchscreen, Wireless CarPlay, Wireless Android Auto, Built-in DSP (16 EQ segments)
Compatible Devices	Smartphone
Item Weight	3.4 pounds
Package Dimensions	22 x 20 x 16 inches



Figure 10.1: Comparison showing the narrow bezel design and lightweight profile of the Uckazy display compared to older, wider-bezel products, highlighting improved aesthetics and reduced reflection.

11. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact the seller directly. Uckazy provides customer support for technical assistance and troubleshooting.
If you require further assistance, please contact Uckazy customer service through the platform where you purchased the product or visit the official Uckazy store page for contact details.
Uckazy Store: https://www.amazon.com/stores/Uckazy/page/52C010E1-B9A7-4684-AFA6-04B4F6975C0F

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