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> Uckazy 12.3 Inch Android 14 Car Radio for BMW 7 Series F01 / F02 (2009-2012) CIC System User Manual

Uckazy 12.3' CIC 8+128G

Uckazy 12.3 Inch Android 14 Car Radio User Manual

Model: 12.3' CIC 8+128G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Uckazy 12.3 Inch Android 14 Car Radio. Please read this manual thoroughly before using the product to ensure proper function and safety. This device is designed to enhance your driving experience with advanced multimedia and navigation features while retaining your vehicle's original functionalities.

2. SAFETY INFORMATION

- Ensure the vehicle is turned off and the battery is disconnected before beginning installation to prevent electrical shorts or damage.
- Professional installation is recommended. Incorrect installation may damage the device or vehicle.
- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only approved accessories and cables with the device.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 12.3 Inch Android 14 Car Radio Display
- USB Cable
- AUX Cable
- Power Cable
- Installation Tools
- Touch Pen

Compatible Models & Year

For BMW 7 Series F01 F02 F03 F04 (2009-2012) CIC System

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



Figure 3.1: Included components for the Uckazy 12.3 Inch Android 14 Car Radio. This image displays the main screen unit, a USB cable, an AUX cable, a power cable, a set of installation tools, and a touch pen.

4. COMPATIBILITY

This Uckazy 12.3 Inch Android 14 Car Radio is specifically designed for:

- **BMW 7 Series F01 / F02 (2009-2012) with CIC System**

Important Note: Before purchasing or installing, please ensure your vehicle's system is a CIC system. If you are unsure, consult a professional or contact Uckazy support for assistance. The device is not compatible with NBT systems.

For BMW F01 F02 F03 F04



Figure 4.1: Visual guide for identifying your BMW's system. The top image shows a compatible CIC system with a 4-pin LVDS port and a specific menu layout. The bottom image shows an incompatible NBT system with a 6-pin LVDS port and a different menu interface.

5. SETUP AND INSTALLATION

5.1 Pre-installation Checks

1. Confirm vehicle compatibility (refer to Section 4).
2. Gather all necessary tools and components.
3. Disconnect the vehicle's battery to prevent electrical issues.

5.2 Fiber Optic Cable Transfer

If your vehicle uses fiber optic cables for audio, you will need to transfer them from the original connector to the new power cable harness. This step is crucial for retaining audio functionality.

Video 5.1: This video demonstrates the process of transferring fiber optic cables from the original vehicle harness to the new power cable harness. This is a critical step for maintaining audio functionality after installing the new head unit.

5.3 Wiring Connections

Carefully connect the provided cables to their respective ports. Ensure all connections are secure.

1. **LVDS Cable:** Connect the LVDS cable from the new display to the vehicle's original LVDS port.

2. **Power Cable:** Connect the new power cable harness to the vehicle's original power connector. Ensure the fiber optic cables are correctly transferred as shown in Video 5.1.
3. **USB Cable:** Connect the USB cable for external devices or updates.
4. **AUX Cable:** Connect the AUX cable for audio input if required.

5.4 Physical Installation

Follow the specific instructions for your BMW 7 Series F01/F02 to remove the original screen and install the new Uckazy display. Ensure the display is securely mounted and all cables are neatly routed to avoid interference.

Built-in DSP

With 16 digital signal processors (DSPs) on the mixing console. This type of mixing console uses digital signal processing technology to enhance the quality of audio signals and provides a range of audio effects and processing options. Users can perform processes such as reverberation, equalization, compression, and delay on audio to achieve better audio effects and music expression. Up to 16 segments of EQ can be adjusted.



Figure 5.1: Comparison of the vehicle's dashboard before and after the installation of the 12.3-inch Android display. The 'Before' image shows the original smaller screen, while the 'After' image displays the larger, integrated Uckazy unit.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** The unit powers on automatically with the vehicle ignition. To turn off the screen, use the designated screen off button in the interface.
- **Touch Screen:** Navigate the interface by touching icons and swiping. The IPS touch screen offers responsive control.
- **iDrive Control Retention:** The original iDrive controller remains fully functional for navigating both the original BMW system and the new Android system.

Support Original OEM System



Figure 6.1: Overview of retained original OEM system features. This includes support for steering wheel controls, compatibility with the OEM reversing camera and parking radar, iDrive control, sound from the original car stereo, retention of the original CD player, and the overall original car system.

6.2 Wireless CarPlay / Android Auto

The device supports wireless CarPlay and Android Auto for seamless smartphone integration.

1. **Enable Bluetooth:** On your smartphone, enable Bluetooth.
2. **Pair Device:** On the car radio, go to the Bluetooth settings and search for your phone. Pair the devices.
3. **Activate CarPlay/Android Auto:** Once paired, CarPlay or Android Auto should automatically activate. If not, select the corresponding icon on the car radio's main menu.

Video 6.1: This video demonstrates the wireless CarPlay connection process for the Linux system. It shows how to enable Bluetooth

on your phone, pair it with the car radio, and activate CarPlay for navigation, music, and messaging functions.

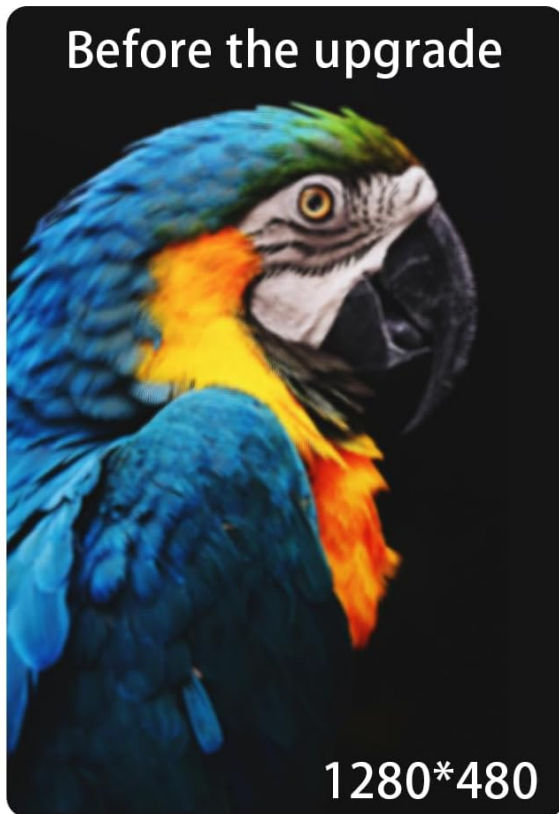
Support Wireless Carplay Android Auto

Allows Stereo to use Various Applications Such as Navigation
Music in driving Situations



Figure 6.2: The display showcasing both Wireless CarPlay and Wireless Android Auto interfaces. Users can access various applications such as navigation, music, and communication tools directly from their smartphone.

The 1920* 720 Ips screen has clearer picture higher color brightness and better visual experience



Approximately 628,800 pixels
Widely used in the industry



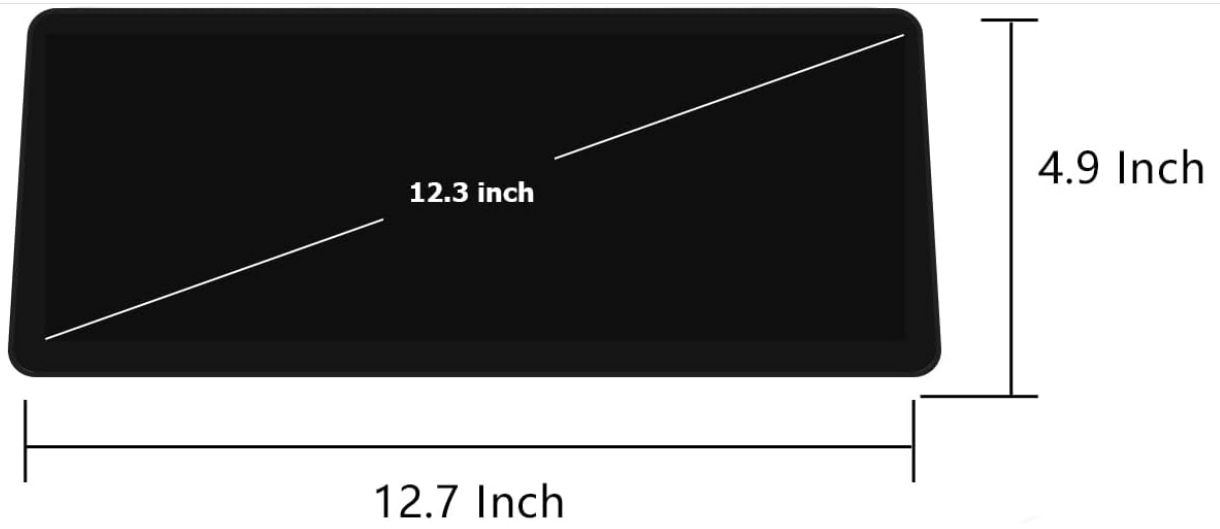
Approximately 1.368,000 pixels ,
an increase of approximately 120%
Achieved through photon recombination
luminescence

Figure 6.3: The CarPlay interface in action, demonstrating navigation, music playback, and messaging capabilities. It highlights the use of voice commands (e.g., "Hey Siri") for hands-free operation.

6.3 DSP Audio Settings

The built-in Digital Signal Processor (DSP) features 16 EQ segments, allowing for precise audio customization.

- Access the DSP settings from the main menu.
- Adjust the 16 EQ segments to fine-tune the audio output to your preference.
- Utilize EQ presets for quick sound adjustments.
- Adjust speaker positioning and balance to enhance the sound stage within your vehicle.



USB cable



AUX cable



Power cable



Install tools
Touch pen

Figure 6.4: The user interface for the built-in DSP, displaying the 16-segment equalizer. This allows users to precisely adjust audio frequencies for optimal sound quality.

6.4 Screen Display Quality

The 12.3-inch IPS screen features HD 1920*720 resolution and full lamination technology, providing a clearer picture, higher color brightness, and reduced reflection compared to standard displays.

CarPlay with "Hey, Siri", Can still be used while driving

Free your hands and make your travel safer



Third-party Maps Navigate more options

Support all kinds of mainstream maps, let you travel one step faster



Mobile Music Always listen to what you want

A variety of music, radio software, whatever you listen to



Figure 6.5: A visual comparison demonstrating the difference in display quality. The 'Before the upgrade' section shows a 1280x480 resolution screen, while the 'After the upgrade' section highlights the enhanced clarity and detail of the 1920x720 IPS screen.

7. MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Follow the on-screen instructions for any updates.
- **Environmental Care:** Do not expose the unit to extreme heat or cold. Ensure proper ventilation around the unit.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Loose power connection, blown fuse	Check power cable connections. Inspect vehicle fuses.
No sound	Incorrect fiber optic cable transfer, volume too low, incorrect audio source selected	Verify fiber optic cable transfer (refer to Video 5.1). Adjust volume. Select correct audio source (e.g., AUX).
CarPlay/Android Auto not connecting	Bluetooth not enabled, phone not paired, Siri/Google Assistant not enabled on phone	Ensure Bluetooth is on and paired. Enable Siri (for CarPlay) or Google Assistant (for Android Auto) on your phone.
Touch screen unresponsive	Temporary software glitch, screen protector interference	Restart the unit (turn vehicle off and on). Check for screen protector issues.
Original iDrive not working	Incorrect wiring, software conflict	Recheck all wiring connections. Perform a factory reset if necessary (consult support).

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Uckazy customer support for further assistance.

9. SPECIFICATIONS

- **Brand:** Uckazy
- **Model:** 12.3' CIC 8+128G
- **Screen Size:** 12.3 inches
- **Display Resolution:** HD 1920*720
- **Operating System:** Android 14
- **Processor:** 13 NM MediaTek Octa-core (4*Cortex A72 2.2GHz + 4*Cortex A51 1.8GHz)
- **RAM:** 8GB
- **ROM:** 128GB
- **Connectivity:** Bluetooth, 2.4G/5.0G WiFi
- **Special Features:** Touchscreen, Built-in DSP with 16 EQ segments, Wireless CarPlay, Wireless Android Auto, Retains iDrive control, Supports OEM reversing camera.
- **Compatible Devices:** Smartphone
- **Connector Type:** Stereo Audio

10. WARRANTY

This Uckazy product comes with a **1-year manufacturer's warranty** 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, neglect, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Uckazy customer support through the following channels:

- **Amazon Seller Page:** Visit the Uckazy Store on Amazon.
- **Email:** Refer to your product packaging or the seller's Amazon page for direct contact information.

When contacting support, please provide your product model number (12.3' CIC 8+128G) and a detailed description of the issue.