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Uckazy 12.3' CIC 8+128G

Uckazy 12.3 Inch Android 14 Car Radio User Manual

For BMW F10 / F11 (2011-2012) CIC System, Model: 12.3' CIC 8+128G

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Uckazy 12.3 Inch Android 14 Car Radio. This unit is specifically designed for BMW F10 / F11 models from 2011-2012 with the CIC system. It features a 12.3-inch IPS touch screen, Android 14 operating system, 8GB RAM, 128GB ROM, and supports wireless CarPlay and Android Auto. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

SAFETY INFORMATION

- Always ensure the vehicle is turned off and the battery is disconnected before performing any installation or wiring.
- Professional installation is recommended to avoid damage to the unit or vehicle's electrical system.
- Do not attempt to operate the unit in a way that distracts you from driving. Always prioritize road safety.
- Keep the unit away from water, moisture, and extreme temperatures.
- Use only approved accessories and parts with this device.

PRODUCT OVERVIEW

The Uckazy 12.3 Inch Android 14 Car Radio enhances your driving experience with advanced multimedia and navigation capabilities. Key features include:

- **Display:** Ultra-narrow 12.3-inch HD (1920x720) IN-CELL IPS touch screen with full lamination technology for reduced reflection.
- **Performance:** Android 14 system, MediaTek Octa-core processor (4*Cortex A72 2.2GHz + 4*Cortex A51 1.8GHz), 8GB RAM, 128GB ROM.
- **Connectivity:** 2.4G and 5.0G Wi-Fi, Wireless CarPlay, Wireless Android Auto, Bluetooth.
- **Audio:** Built-in DSP with 16 EQ segments for enhanced sound quality.
- **Integration:** Retains original iDrive system control and functions, supports original OEM reversing camera and

parking radar.

Visual Components

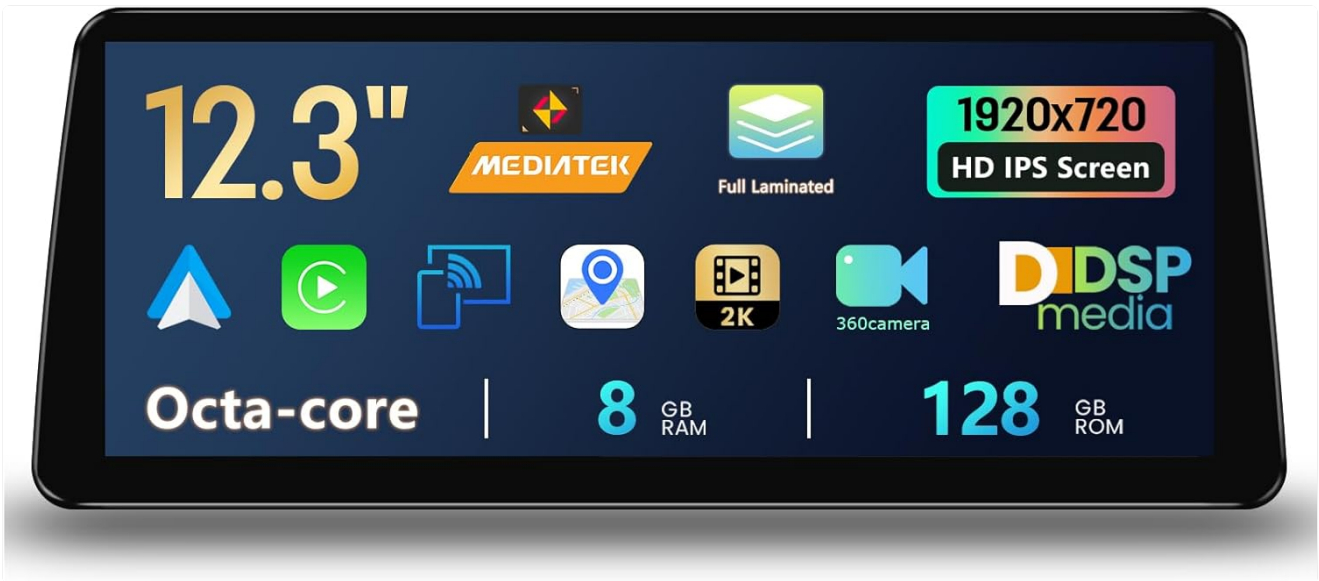
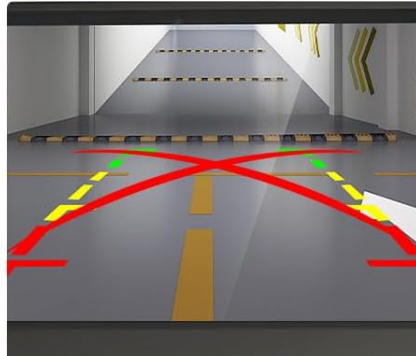


Figure 1: Front view of the Uckazy 12.3 Inch Android 14 Car Radio, showcasing its 12.3-inch HD IPS screen, Octa-core processor, 8GB RAM, 128GB ROM, MediaTek chipset, full lamination, 2K video support, 360 camera compatibility, and DSP audio.

Support Original OEM System



Support Steering
Wheel Control



Compatible
OEM Reversing camera
parking radar



Support iDrive control



Sound From the
Original Car Stereo



Keep the Original CD



Keep the Original
Car System

Figure 2: Illustration of the unit's compatibility with the original OEM system, including steering wheel control, OEM reversing camera/parking radar, iDrive control, original car stereo sound, and retaining the original CD player and car system.

Support Wireless Carplay Android Auto

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



Figure 3: Display showing wireless CarPlay and Android Auto interfaces, allowing access to navigation, music, and other applications from your smartphone on the car stereo screen.

The 1920*720 IPS screen has clearer images, higher color brightness, and a wide viewing angle, up to 178 degrees, making the display effect even more outstanding



Approximately 628,800 pixels
Widely used in the industry

Multi point capacitive touch,
1.368000 pixels - achieving
approximately 120% luminescence
through photon recombination

Figure 4: Visual comparison highlighting the superior clarity and color brightness of the 1920x720 IPS screen compared to an 800x480 screen, with a wide viewing angle up to 178 degrees.

Built-in DSP

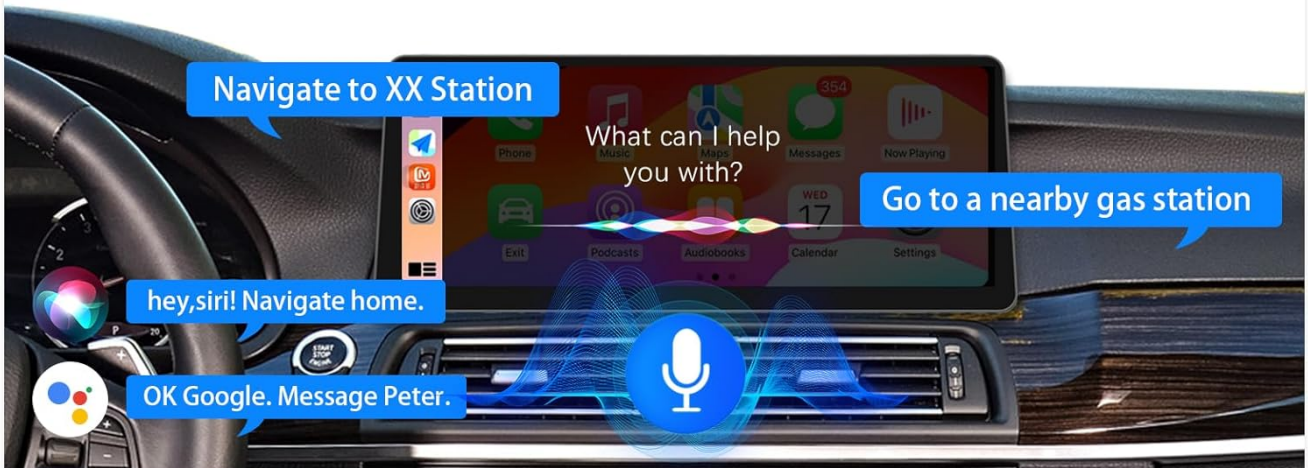
With 16 digital signal processors (DSPs) on the mixing console. This type of mixing console uses digital signal processing technology to enhance the quality of audio signals and provides a range of audio effects and processing options. Users can perform processes such as reverberation, equalization,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



Figure 5: Interface of the built-in Digital Signal Processor (DSP) with 16 EQ segments, allowing users to customize audio settings for optimal sound quality and adjust speaker positioning.

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: Demonstrations of CarPlay features, including navigation with third-party maps, music playback, and hands-free operation via Siri or Google Voice Assistant for safer driving.

For BMW 5 Series F10 F11



Figure 7: Visual comparison of the BMW F10/F11 dashboard before and after installation of the 12.3-inch Android 14 Car Radio, showing the modernized appearance.

SETUP AND INSTALLATION

The Uckazy 12.3 Inch Android 14 Car Radio is designed for plug-and-play installation for compatible BMW F10 / F11 (2011-2012) CIC systems. However, careful attention to detail is required.

Compatibility Check

Before proceeding with installation, it is crucial to verify that your vehicle has a CIC system. This unit is not compatible with NBT systems. You can typically check your car's system type through the vehicle information menu or by inspecting the LVDS port.

Compatible Models & Year

For BMW 5 Series F10/F11 (2011-2012) 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 8: Guide to identify your BMW system: CIC systems typically have a 4-pin LVDS port, while NBT systems have a 6-pin LVDS port. Ensure your vehicle has the correct CIC system for compatibility.

Wiring Instructions

Follow these steps for proper wiring. Refer to the video for visual guidance on fiber optic cable transfer.

1. Carefully cock the snap on the original power connector and pull out the fiber optic cable.
2. Locate the power cord for the new unit and plug it into the appropriate interface.
3. Finally, snap the new unit's power cable to the original power cable, ensuring a secure connection.

Video 1: This video demonstrates the process of transferring fiber optic cables during the installation of the car radio. It shows how to carefully remove the fiber optic cable from the original connector and integrate it into the new power cable for the Uckazy unit.

OPERATING INSTRUCTIONS

Wireless CarPlay / Android Auto Connection

To use wireless CarPlay or Android Auto, ensure the necessary wires are connected on the machine. Then, follow these steps:

1. On your smartphone, turn on Bluetooth.
2. On the car radio screen, navigate to the Bluetooth settings and find the screen's Bluetooth connection.

3. Pair your phone with the car radio via Bluetooth.
4. If prompted, enable Siri voice assistant on your iPhone for CarPlay functionality.
5. Once connected, you can access navigation, music, messages, and other compatible applications directly on the car radio screen.

Video 2: This video demonstrates the wireless CarPlay connection process. It shows how to enable Bluetooth on your phone, connect to the car radio, and access various CarPlay functions like navigation, music, and messaging.

DSP Audio Settings

The built-in DSP (Digital Signal Processor) allows for precise audio customization. Access the DSP settings through the unit's menu to adjust the 16 EQ segments. You can select from various tuning methods and preset options to optimize the sound output to your preference, enhancing the overall audio experience and sound staging within your vehicle.

iDrive System Integration

The Uckazy car radio is designed to seamlessly integrate with your BMW's existing iDrive system. This means you retain full control over original vehicle functions and navigation through the iDrive controller, even while using the Android system. The unit allows you to switch between the original system and the Android interface as needed.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Refer to the manufacturer's website or contact support for update procedures.
- **Environmental Care:** Protect the unit from direct sunlight for prolonged periods and extreme temperatures to prevent damage.

TROUBLESHOOTING

- **No Power:** Check all power connections and fuses. Ensure the fiber optic cable is correctly transferred and connected.
- **No Sound:** Verify that the fiber optic cables are properly connected. Check the audio settings in both the original car system and the Android unit.
- **CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on both your phone and the unit. Confirm Siri is enabled on your iPhone for CarPlay. Restart both devices and try reconnecting.
- **Screen Issues:** If the screen is unresponsive or displaying incorrectly, try restarting the unit. Ensure all display cables are securely connected.
- **System Lag/Slow Performance:** Close unnecessary applications. Consider performing a factory reset if issues persist (note: this will erase all user data).

SPECIFICATIONS

Feature	Specification
Screen Size	12.3 inches
Resolution	1920x720 HD IPS
Operating System	Android 14
Processor	MediaTek Octa-core (4*Cortex A72 2.2GHz + 4*Cortex A51 1.8GHz)
RAM	8GB
ROM	128GB
Connectivity	2.4G/5.0G Wi-Fi, Bluetooth, Wireless CarPlay, Wireless Android Auto
Audio Features	Built-in DSP with 16 EQ segments
Compatible Devices	Smartphone
Item Weight	3.4 pounds
Package Dimensions	22 x 20 x 16 inches

WARRANTY AND SUPPORT

This Uckazy product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Uckazy website. For technical support, troubleshooting assistance, or inquiries regarding software updates, please contact Uckazy customer service through their official channels. You may also find additional resources and FAQs on the Uckazy Store on Amazon.