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› [Uckazy 12.3 Inch CarPlay/Android Auto Radio Upgrade for BMW 5 Series \(E60, E61, E63\) CIC System User Manual](#)

Uckazy Linux CIC With Camera (B0DNBCV2VB)

Uckazy 12.3 Inch CarPlay/Android Auto Radio Upgrade for BMW 5 Series (E60, E61, E63) CIC System User Manual

Brand: Uckazy | Model: Linux CIC With Camera (B0DNBCV2VB)

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your Uckazy 12.3 Inch CarPlay/Android Auto Radio Upgrade Touch Screen Car Stereo. This unit is designed for BMW 3 and 5 Series vehicles with CIC systems, specifically models E60, E61, E62, E63, E64, E90, E91, E92, and E93 from 2008-2013. It features a 12.3-inch HD1920*720 IN-CELL screen with full lamination technology, dual system functionality (Linux and original car system), wireless Apple CarPlay and Android Auto, Mirrorlink, Bluetooth, Wi-Fi, a built-in DSP with 16 EQ segments, and an AHD720P reverse camera with built-in trajectory and night vision.

Before proceeding with installation, please ensure this device is compatible with your vehicle's system. If you are unsure, please contact us for assistance.

2. WHAT'S IN THE BOX

- Plug and play power Cable
- USB/AUX/RCA Cable
- 12.3 inch In-cell display/Frame
- Reverse Camera AHD 720P
- Installation tools and touch pen

3. INSTALLATION GUIDE

Professional installation is recommended. Always disconnect the car's power before beginning any installation to prevent damage.

3.1. Pre-Installation Checks

Before installation, verify your car's system type. This unit is compatible with BMW 5 Series E60, E61, E63 CIC systems (2008-2013). The image below helps distinguish between CIC and CCC systems based on their LVDS ports.

Compatible Models & Year

For BMW 5 Series E60 E61 (2009-2010)

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: Identifying CIC vs. CCC Systems. Ensure your vehicle has a CIC system (4-pin LVDS port) for compatibility.

3.2. Removing Original Components

Carefully remove the original car stereo display and associated panels. Ensure all connectors are unplugged before removing components. Remember to turn off and disconnect the car's power before disconnecting the power cable.

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Video 3.1: Installation Guide for BMW 5 Series CIC System (2011-2012). This video demonstrates the process of removing the original car stereo display and other components.

3.3. Connecting the New Unit

Connect the provided cables to the new head unit. Refer to the wiring diagrams below for correct connections. Ensure the LVDS cable is inserted before connecting the main power cable.

Day And Night Mode

Automatic light sensitivity adjusts the day and night mode according to your car's original headlights

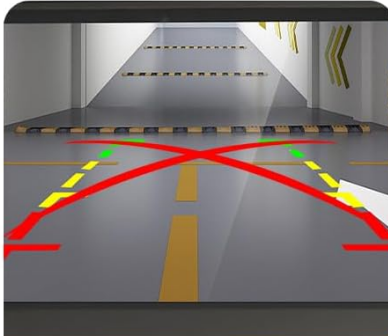


Figure 3.2: Wire Definition and Linking. Carefully review and accurately link all wires.

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 3.3: Fiber Optic Connection. Unplug the 2P fiber optic harness from the original car CD and insert it into the Linux system harness.

Support Wireless Carplay Android Auto

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



Figure 3.4: Wired CarPlay/Android Auto Connection. Use USB1 for data link. If sound is distorted, connect with AB.

3.4. Reassembly

After all connections are made and verified, carefully reassemble the dashboard components in reverse order of removal. Ensure all screws are tightened and panels are securely clipped into place.

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Video 3.2: Installation Guide for BMW 5 Series CIC System (2011-2012). This video also covers the reassembly process after connecting the new unit.

4. INITIAL SETUP

4.1. AUX Audio Configuration

To ensure proper audio output, configure the AUX settings. First, plug in the stock AUX cable (located in the manual gear position or passenger side storage box). Then, navigate to the system settings to adjust the AUX auto-switching setting.

Automatic Reverse trajectory guide line

Ours Automatic Reverse trajectory

Real Glass Lens

VS

Others No Reverse trajectory

Plastic

Better shooting results

Ours

Image Refresh Rate 25HZ ✔

Night vision effect ✔

AHD 720P ✔

VS

Others

Image Refresh Rate 18-20HZ ✘

Night vision is not supported ✘

Only CVBS ✘

Figure 4.1: Stock AUX Port and Auto Switch Setting. Ensure the AUX cable is connected and configure the auto-switch setting.

You can set the AUX to switch automatically or manually. For manual setting, go to the main menu, select "Multimedia," then "External devices." Long press number "8" on your original car controls until you hear a tone, then press "8" every time before entering the new system to get CarPlay sound.



Figure 4.2: Automatic and Manual AUX Setting Methods.

4.2. Camera and Display Settings

Adjust the original car's screen resolution and camera settings within the system menu to ensure optimal display and functionality of the reverse camera.

For BMW 5 Series E60 E61



Figure 4.3: OEM Resolution and Camera Settings. Select the correct resolution and camera option for proper display and function.

5. OPERATING YOUR UCKAZY CARPLAY SYSTEM

5.1. Switching Between Systems

The unit supports a dual system, allowing you to switch between the Linux system and your original car's system with a single click or long press of the physical button.



Figure 5.1: One-Click Switching Between Dual Systems.



Figure 5.2: Linux System Main Interface.

5.2. Wireless CarPlay Connection

To connect wirelessly to Apple CarPlay, follow these steps:

1. Turn on the radio.
2. Touch the CarPlay icon on the screen.
3. Check the Bluetooth name of the radio (e.g., CarBT-D2BC).
4. On your iPhone, go to Settings > Bluetooth and connect to the radio's Bluetooth name.
5. Confirm the pairing request on your iPhone.
6. Allow contacts and favorites sync if prompted.
7. Touch "Connect CarPlay" on your iPhone.
8. The system will connect automatically.



Figure 5.3: Wireless CarPlay Connection Steps.

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Video 5.1: How to Connect CarPlay Wirelessly. This video provides a visual guide for connecting your iPhone to CarPlay.

5.3. Wireless Android Auto Connection

To connect wirelessly to Android Auto, follow these steps:

1. Turn on the radio.
2. Touch the Android Auto icon on the screen.

3. Check the Bluetooth name of the radio (e.g., CarBT-D2BC).
4. On your Android phone, go to Settings > Bluetooth and search for the device. Connect to the radio's Bluetooth name.
5. Confirm the authorization request on your phone.
6. The system will connect automatically.

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Video 5.2: How to Connect Android Auto Wirelessly. This video provides a visual guide for connecting your Android phone to Android Auto.

5.4. Key Features

The Uckazy CarPlay system offers a range of features to enhance your driving experience:

- **Navigation:** Access map navigation through CarPlay/Android Auto.
- **Music Playback:** Enjoy music from your phone or other sources.
- **Voice Control:** Use Siri or Google Voice Assistant for hands-free operation.
- **Dual System:** Seamlessly switch between the Linux system and your original BMW system.
- **Automatic Day/Night Mode:** The screen adjusts brightness based on your car's original headlights.
- **Original System Support:** Retains original car radio, amplifier function, steering wheel control, iDrive knob, and original reverse camera.

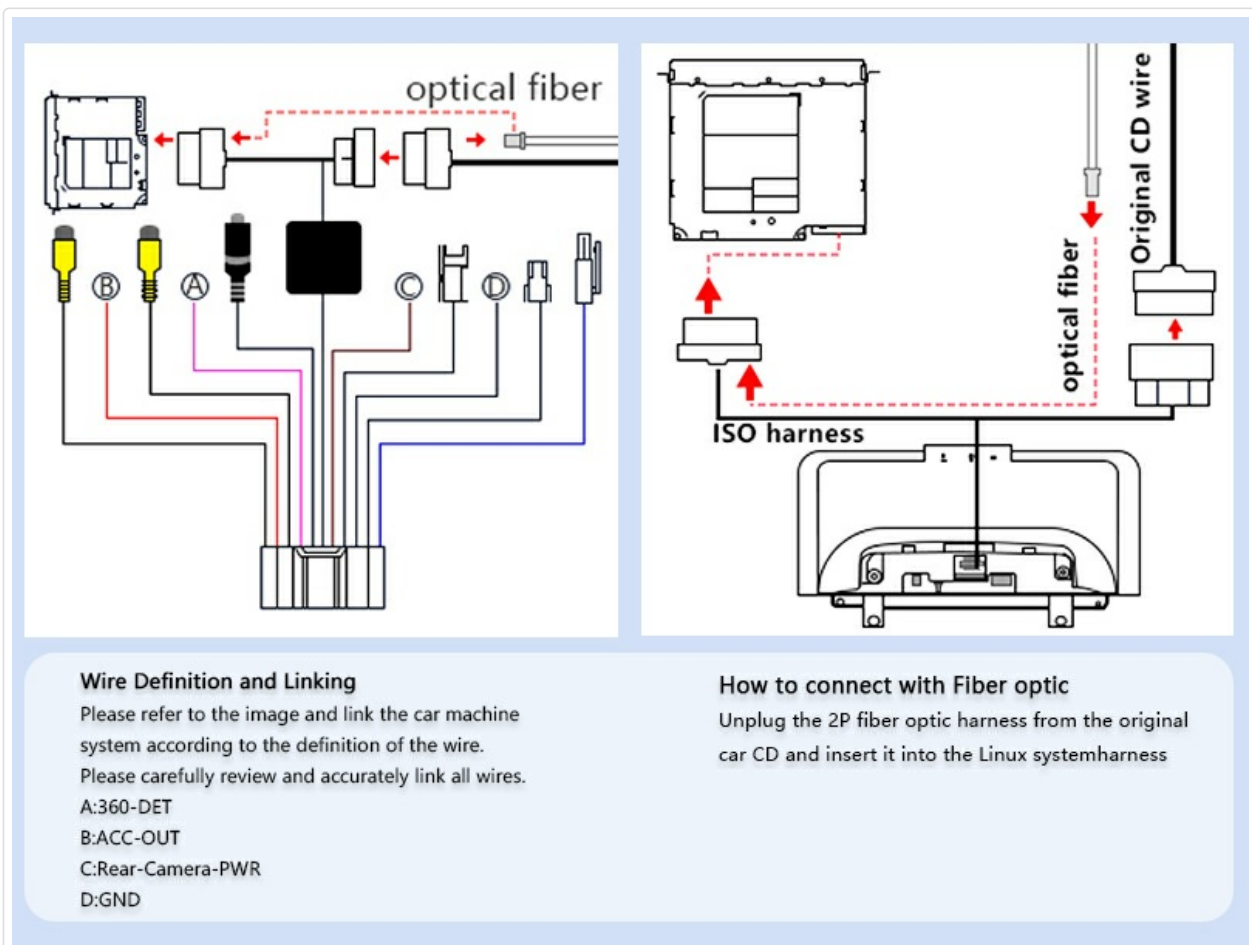


Figure 5.4: Wireless CarPlay & Android Auto Interface.

How connect with wired carplay/android auto
 USB1 is a data link, USB2 is a read storage link.
 If you need to link CarPlay or Android Auto,
 please link to UsB1.

must use USB IN 1

If there is any noise in the sound
 If the Sound of the carplay or android auto is distorted (noise), you need connect with AB

Figure 5.5: Voice Control, Navigation, and Music Playback.

Technical Support

We investigated the returns in recent years and found that 92% percent of the customers returned the car because they can't set it up or set it up wrongly and wrong link cable. When you encounter problems such as installation, sound, carplay, original car UI doesn't display, please contact us in time and the technician will give you the solution. Please contact us, thank you!

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Payment Secure transaction

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★★★★★ 100% positive lifetime (2 total ratings)

About Seller

Shenzhen Yukaz Electronics Co., Ltd. was established in 2021, but our shareholders have been focusing on automotive electronic products for 15 years. Our company has always adhered to the principle of "quality first, customer first, and high-quality service." The company has always adhered to the principle of "keeping promises and abiding by contracts". With high-quality products, good reputation, and excellent service, our products sell well in Southeast Asia, Europe, the Middle East, South Ame...

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Figure 5.6: Automatic Day and Night Mode.

Your browser does not support the video tag.

Video 5.3: Product Display Operating System. This video provides a general overview of the system's interface and features.

6. MAINTENANCE

To maintain the longevity and clarity of your screen, regularly wipe it with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials that could damage the screen's surface. Keep the unit free from dust and debris.

7. TROUBLESHOOTING

7.1. No Sound Issue

If you experience no sound after installation, it may be related to the fiber optic cable connection. Ensure the fiber optic cable from your original car CD is correctly transferred to the new Linux system harness.

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Video 7.1: No Sound - How to Transfer Fiber Optic Cables. This video demonstrates the correct procedure for transferring fiber optic cables to resolve sound issues.

7.2. General Technical Support

For any complex issues regarding installation, sound, CarPlay functionality, original car UI display, or other technical problems, please contact the seller directly. Provide detailed information about the issue to receive prompt assistance.

First make sure to plug in the stock AUX
(in the manual gear position or in the passenger side storage box),
then go to settings and turn off the AUX auto switching setting



AUX

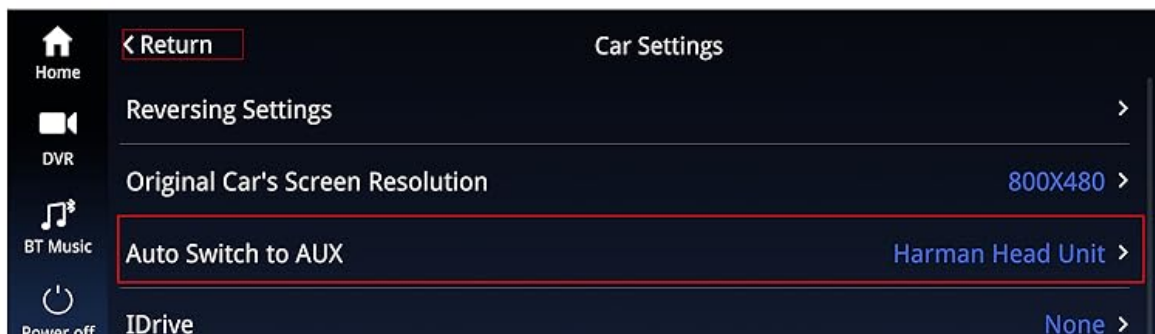


Figure 7.1: Technical Support Information. Contact the seller for assistance with installation or operational issues.

8. SPECIFICATIONS

Feature	Detail
Package Dimensions	15.12 x 7.2 x 6.77 inches
Item Weight	3.97 pounds
ASIN	B0DNBCV2VB
Item Model Number	5fefcdb3-c5c0-45bf-96f3-5fab4fc97b50

Feature	Detail
Date First Available	January 11, 2025
Manufacturer	Uckazy
Brand	Uckazy
Connectivity Technology	Bluetooth
Controller Type	iPhone App
Special Feature	Touchscreen
Compatible Devices	Smartphone
Connector Type	Stereo Audio
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC
Color	Linux CIC With Camera

9. WARRANTY AND SUPPORT

This product is eligible for a 30-day refund or replacement policy. For any technical assistance, troubleshooting, or warranty claims, please contact the Uckazy Factory Outlet directly through the Amazon platform. They are available to provide solutions for installation, sound, CarPlay, or original car UI display issues.