Uckazy 12.3’Linux CIC System

Uckazy 12.3-inch Linux CIC System Instruction Manual

Model: 12.3’Linux CIC System

For BMW X5 E70 X6 E71 Carplay Android Auto Radio Touch Screen Original CIC car Stereo 2011-2013

1. Introduction

The Uckazy 12.3-inch Linux CIC System is an advanced car stereo upgrade designed to enhance your driving experience by integrating modern connectivity and entertainment features while retaining your vehicle's original functionalities. This system features a high-definition 1920x720 LED touch display, offering a wide viewing angle and excellent visual clarity. It supports wireless Apple CarPlay, Android Auto, and MirrorLink, allowing seamless access to navigation, communication, and media through voice commands or the touch screen. The dual-system capability enables a one-click switch between the new Linux system and the original car system. Additionally, a built-in 16-segment DSP provides enhanced audio tuning options for superior sound quality.





Image: The Uckazy 12.3-inch Linux CIC System seamlessly integrated into a BMW dashboard, displaying its intuitive main interface with options for OEM Car Info, CarPlay, and Android Auto.

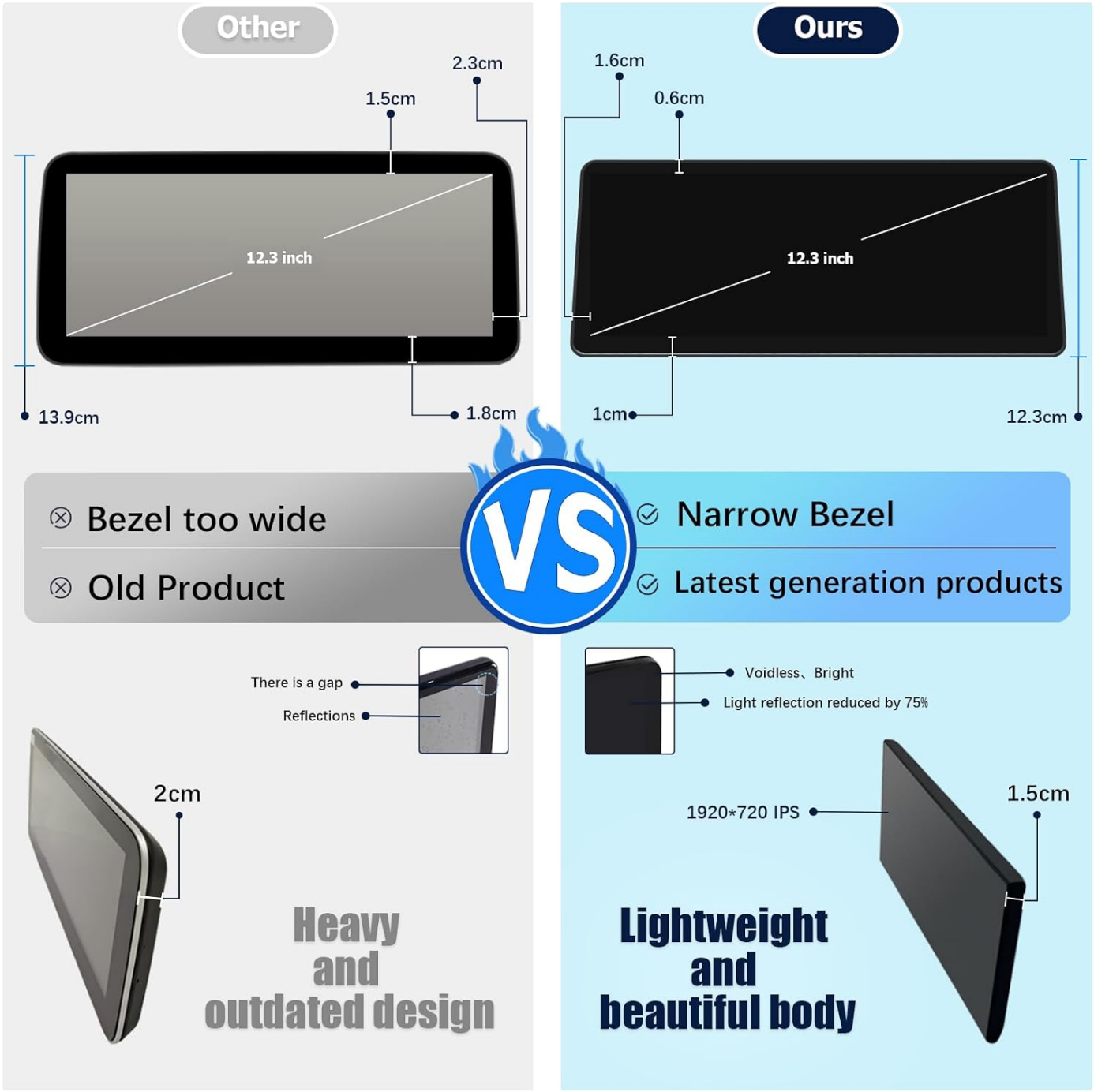


Image: A visual comparison illustrating the significant upgrade in display size and modernity after installing the Uckazy 12.3-inch Linux CIC System, replacing the smaller original screen.

2. Product Features

- **HD 12.3" Display:** Features a 1920x720 high-definition LED display with a multi-point capacitive touch screen and a maximum display angle of 178 degrees, providing an excellent visual experience.
- **Wireless CarPlay & Android Auto:** Supports wireless (and wired) Apple CarPlay, wireless (and wired) Android Auto, and wireless MirrorLink for iOS and Android phones. Access navigation, phone contacts, email, notifications, and music via voice commands (Siri or Google Voice Assistant).
- **Dual System:** Allows one-click switching between the Linux system and the original car system. Retains all original functions including radio, amplifier, steering wheel control, iDrive knob, display of speed, fuel level, oil pressure, safety warnings, and original reverse camera. No software changes are made to the vehicle's control unit.
- **Built-in DSP:** Equipped with a 16-segment Digital Signal Processor (DSP) for advanced audio tuning. Users can perform reverberation, equalization, compression, and delay adjustments to enhance sound quality and music playback.

- **Automatic Light Sensitivity:** The system supports automatic light sensitivity, adjusting day and night modes to match your car's original headlights for optimal visibility and driving safety.

Product Features

It is to replace original car screen with Linux System 12.3Inch 1920*720 resalution car touchscreen, not only keep the original OEM system, but also add wireless Carplay,wireless Android Auto and wireless mirrorlink Functions,



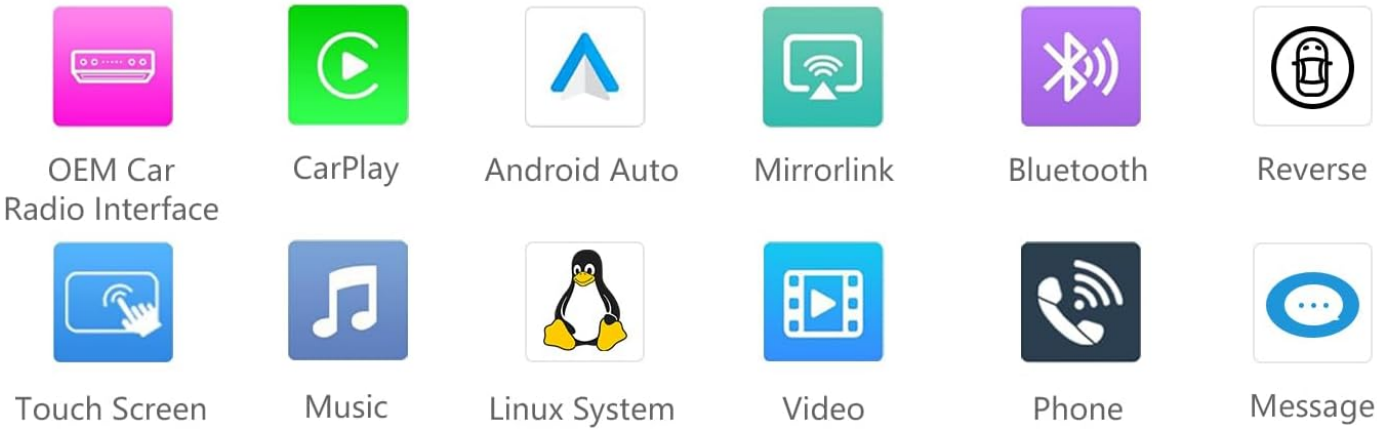


Image: A visual summary of the Uckazy system's key features, including integration with OEM car functions, CarPlay, Android Auto, Mirrorlink, Bluetooth, and multimedia capabilities.

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 beadjusted.



Image: Demonstration of wireless CarPlay and Android Auto functionality on the Uckazy display, highlighting the seamless integration with mobile devices.

For BMW X5/X6 E70



Image: The user interface for the built-in Digital Signal Processor (DSP), allowing detailed equalization and sound adjustments for optimized audio output.

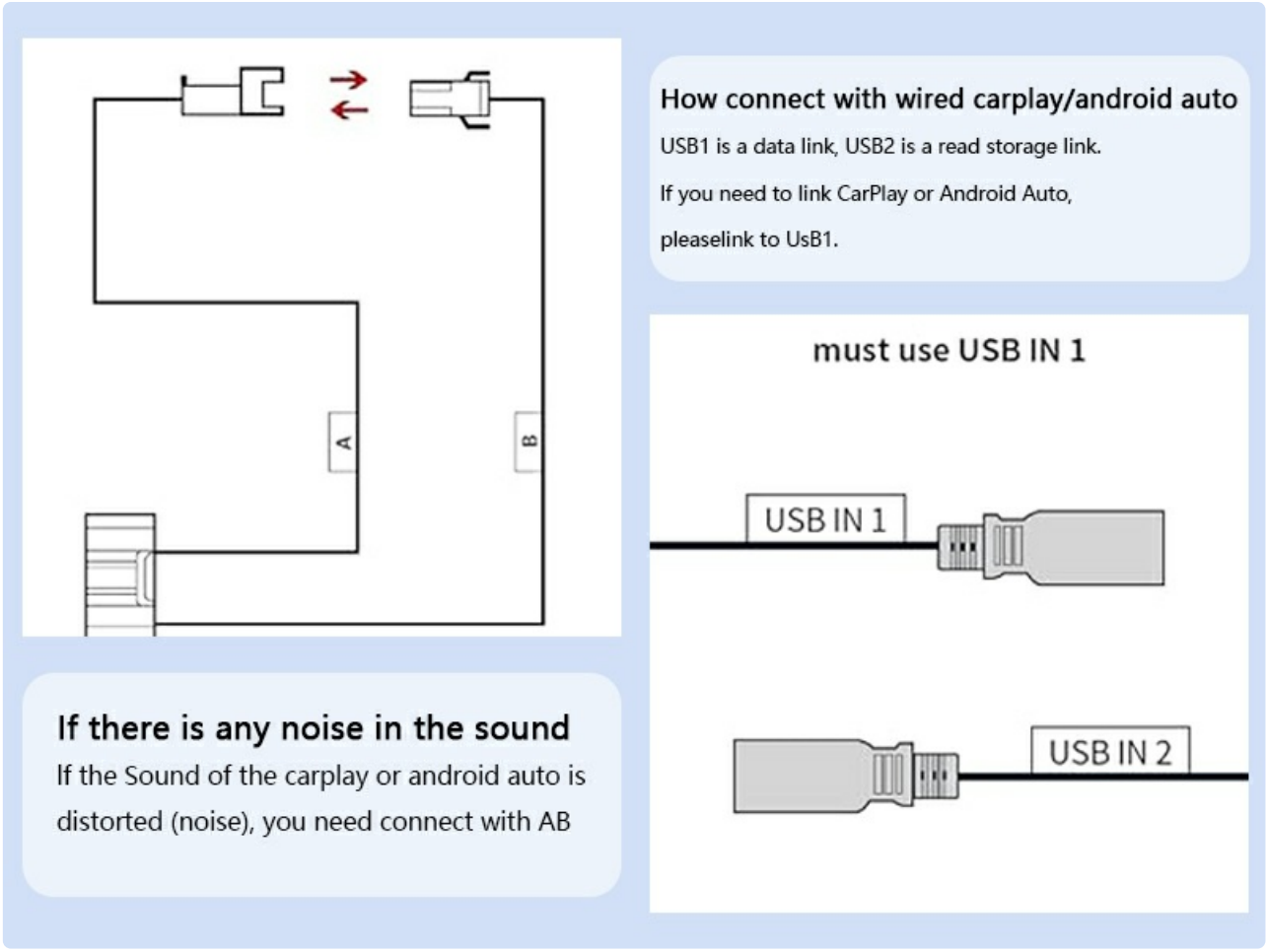


Image: A comparison demonstrating the benefit of the automatic light-sensitive feature, which adjusts screen brightness for better visibility in varying light conditions, unlike systems without this capability.

3. Compatibility

This Uckazy 12.3-inch Linux CIC System is suitable for the following BMW models and years:

- BMW X5 E70 (2011-2013)
- BMW X6 E71 (2011-2014)

Note:
Before purchase, please ensure your car system is a CIC system. If you are unsure, please contact the seller for assistance. The system is designed for vehicles with a 4-pin LVDS Port (CIC System), not a 10-pin LVDS Port (CCC 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.

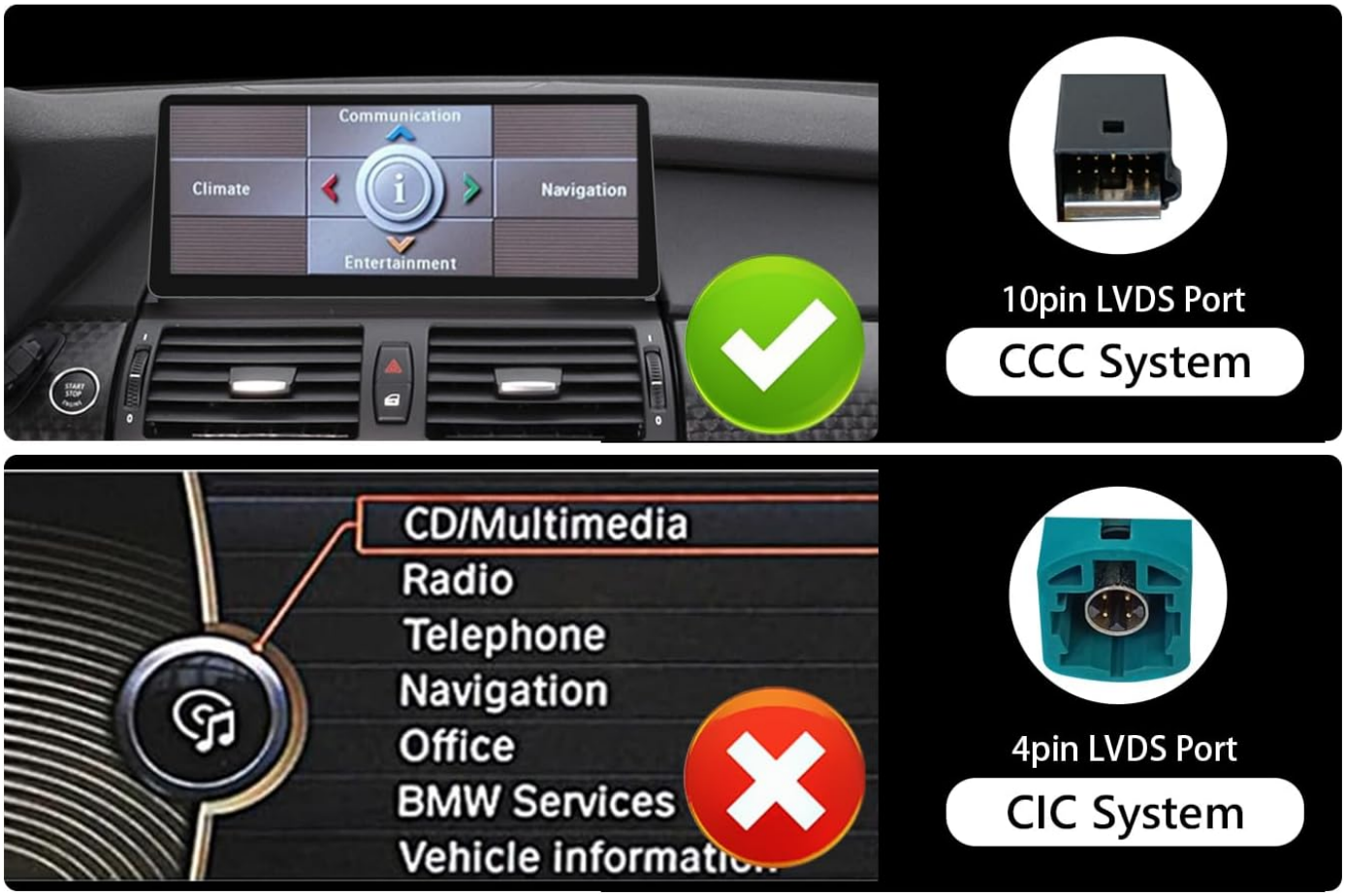


Image: Visual guide for checking car system compatibility, distinguishing between CCC and CIC systems based on the LVDS port type.

4. What's in the Box

Upon unboxing, please verify that all the following components are included:

- Plug and play power cable
- Bracket frame
- USB cable
- AUX cable

5. Installation Guide

The Uckazy system is designed for plug-and-play installation, but careful attention to wiring and settings is crucial for

proper functionality. Professional installation is recommended if you are unsure about any steps.

5.1. Fiber Optic Cable Transfer

If your original car system uses fiber optic cables, you will need to transfer them to the new power cable. This is a critical step, especially if you experience no sound after installation.

Your browser does not support the video tag.

Video: This video demonstrates how to transfer fiber optic cables from the original car harness to the new system's power cable, a common step to resolve no-sound issues after installation.

Steps:

1. Locate the original power cable connected to your car's head unit.
2. Carefully cock the snap on the connector and pull out the fiber optic cable.
3. Locate the corresponding slot on the new system's power cable.
4. Insert the fiber optic cable into the correct interface on the new power cable. Ensure it snaps securely into place.



Image: Detailed diagram illustrating the wire definitions and the process of connecting the fiber optic cable from the original CD unit to the new Linux system harness.

5.2. Power Cable Connection

Connect the new power cable to the original car's power cable. Pay close attention to ensure the correct interfaces are used.

5.3. Setting OEM Resolution

After installation, you may need to set the correct OEM screen resolution in the system settings for optimal display of original car information.



Image: Screenshot of the system settings menu for OEM screen resolution, guiding users to select the appropriate resolution for their vehicle's original display.

Navigation: Setup > Car Settings > Original Car's Screen Resolution. Select the correct resolution. If unsure, try each one until the display is correct.

5.4. Setting OEM Cameras

If your vehicle has an original reverse camera or you've installed an aftermarket one, configure it in the settings.
Navigation: Setup > Reversing Settings > Camera Type. Select 'Original Camera' or 'Aftermarket Camera' as appropriate. Incorrect selection may prevent the reverse camera from working.

5.5. AUX Settings

To ensure audio output, especially for CarPlay/Android Auto sound, the AUX input must be correctly configured and activated.



Image: Instructions for configuring AUX settings, including automatic switching options for Harman or Alpine head units, and a manual method involving pressing button 8 on the original car stereo.

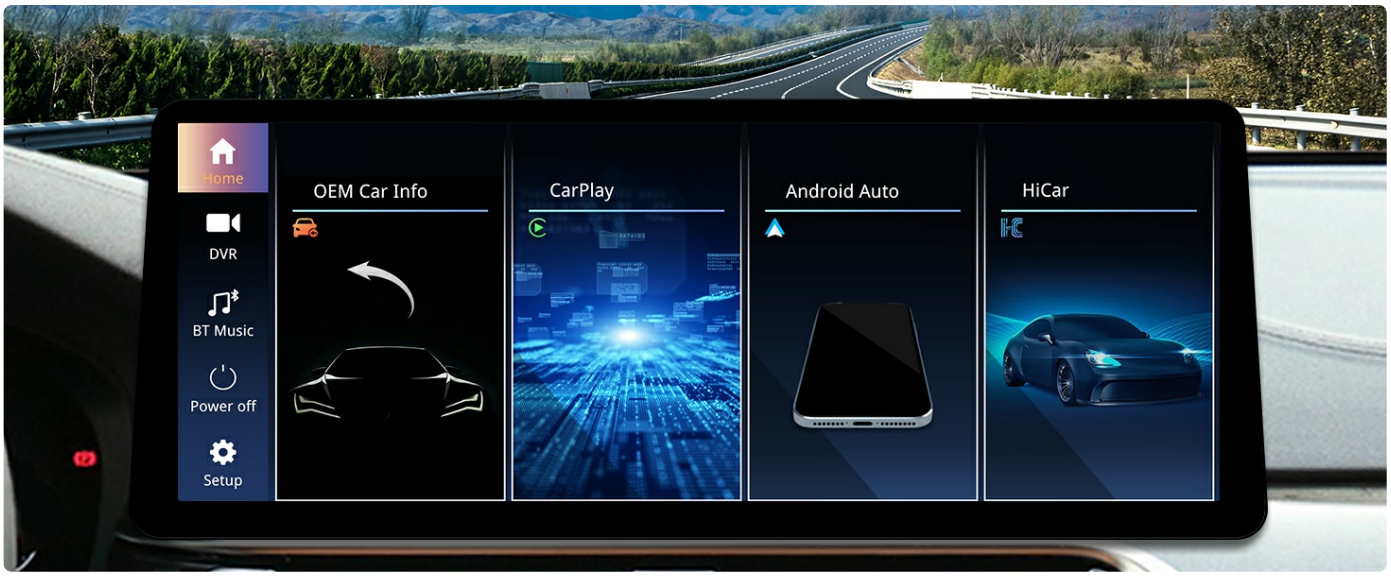


Image: A visual guide to locating the physical AUX-IN port in the vehicle and the corresponding 'Auto Switch to AUX' setting within the system's car settings menu.

Automatic AUX Setting:

1. Ensure the stock AUX cable is plugged in (usually in the manual gear position or passenger side storage box).
2. Go to Setup > Car Settings > Auto Switch to AUX.
3. Select 'Harman Head Unit' or 'Alpine Head Unit' based on your car's original system.

Manual AUX Setting:

1. Go to the original car system's main menu and select "Multimedia".
2. Then select "External devices".
3. Long press the number key "8" on your original car stereo. When you hear a tone, the AUX is activated.

5.6. Wired CarPlay/Android Auto Connection

If you prefer a wired connection for CarPlay or Android Auto, use the designated USB port.



Image: Diagram illustrating the two USB ports, specifying that USB1 is for data link (CarPlay/Android Auto) and USB2 is for storage, with a clear instruction to use USB1 for phone connectivity.

Note: USB1 is the data link. For CarPlay or Android Auto, please connect your device to USB1. USB2 is for read storage only.

6. Operating Instructions

6.1. Wireless CarPlay / Android Auto

To use wireless CarPlay or Android Auto:

1. Connect your phone to the system via Bluetooth.
2. Allow all necessary permissions on your phone.
3. Wait for the connection to establish automatically.

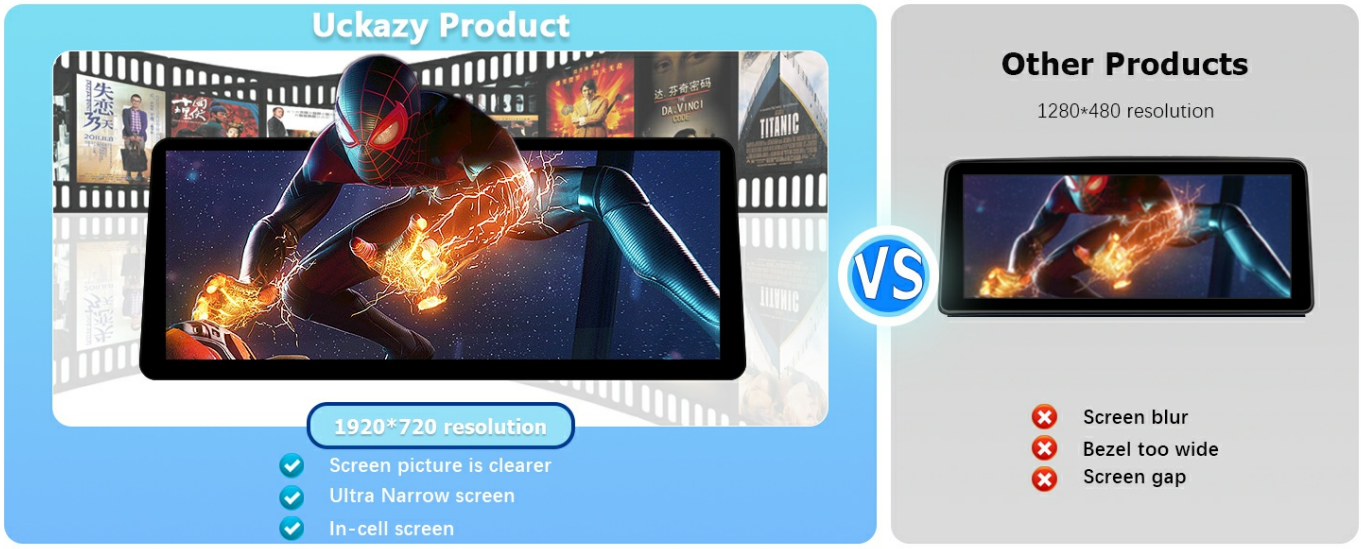


Image: Step-by-step guide for setting up wireless CarPlay, emphasizing Bluetooth connection and permission granting for seamless integration.

6.2. Dual System Switching

The system allows for easy switching between the new Linux system and your car's original CIC system.

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

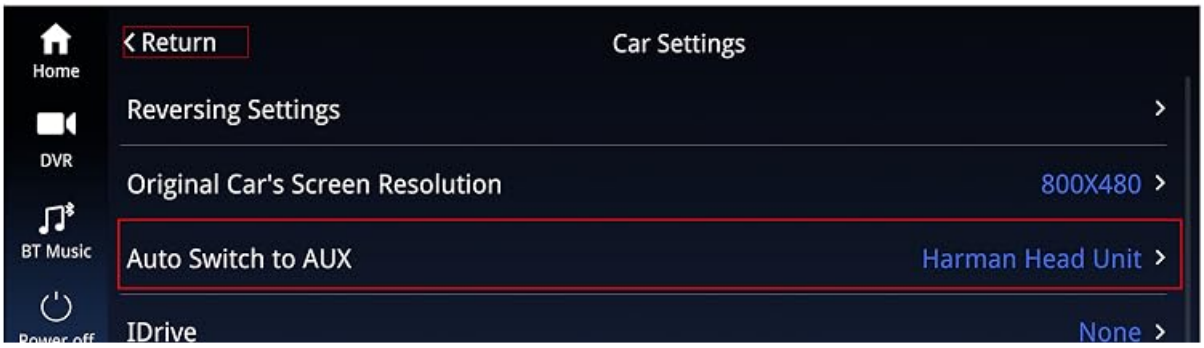


Image: A visual representation of the one-click switching capability between the vehicle's original system and the newly installed Linux system.

Simply press the designated button or select the option on the screen to toggle between the two interfaces. This ensures you retain access to all original car functions.

6.3. Built-in DSP Adjustment

Access the DSP settings to fine-tune your audio experience. The 16 EQ segments allow for detailed customization of sound output.

Navigation: Look for the 'DSP' or 'EQ' icon on the main interface or within the audio settings. Adjust the sliders and presets to achieve your desired sound profile.

6.4. Retaining Original BMW System Functions

The Uckazy system is designed to work seamlessly with your original BMW features.

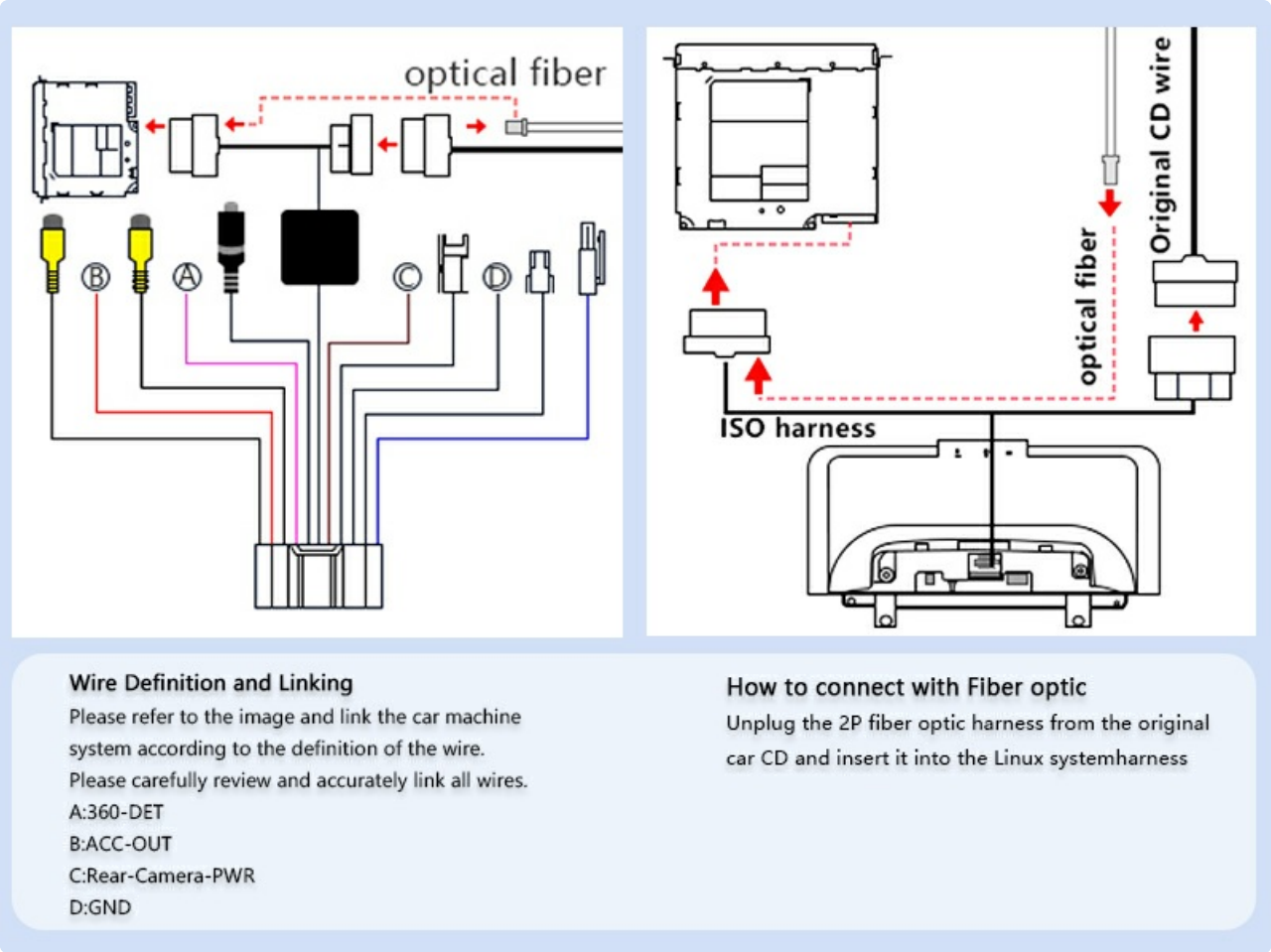


Image: Overview of original BMW system features supported by the Uckazy unit, including the iDrive knob, steering wheel controls, factory camera, amplifier, and Bluetooth.

You can continue to use your original car knob, steering wheel buttons, factory rear view camera, amplifier system, and original Bluetooth functionality without interference from the new system.

7. Maintenance

To ensure the longevity and optimal performance of your Uckazy 12.3-inch Linux CIC System, follow these general maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronics to clean the touch screen. Avoid abrasive materials or harsh chemical cleaners that could damage the display.
- **Software Updates:** Periodically check the manufacturer's website or contact support for any available software updates. Keeping the system updated can improve performance, add new features, and fix bugs.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent issues or loss of functionality.

8. Troubleshooting

This section addresses common issues you might encounter and provides solutions.

8.1. No Sound Output

If you experience no sound after installation, the most common cause is an incorrectly transferred fiber optic cable. Refer to Section 5.1 for detailed instructions on transferring the fiber optic cable.

Your browser does not support the video tag.

Video: This video demonstrates how to transfer fiber optic cables from the original car harness to the new system's power cable, a common step to resolve no-sound issues after installation.

Also, ensure your AUX settings are correctly configured as described in Section 5.5.

8.2. Display Comes Up Upside Down Sometimes

This issue might be related to software or initial boot-up. Try the following:

- Restart the vehicle and the system.
- Check for any available firmware updates for the unit.
- Verify that the screen resolution settings (Section 5.3) are correctly applied.

8.3. Bubbles in the Screen

If you observe bubbles on the screen, this could indicate a manufacturing defect or damage during shipping/installation. Please contact customer support immediately for assistance.

8.4. General Installation or Functionality Issues

If you encounter problems with installation, sound, CarPlay functionality, or if the original car UI doesn't display correctly, it is recommended to contact technical support. Many issues can be resolved with proper guidance.

9. Specifications

- **Screen Size:** 12.3 inches
- **Resolution:** 1920 x 720
- **Operating System:** Linux System
- **Connectivity Technology:** Bluetooth, USB
- **Special Features:** Android Auto, Apple CarPlay, Built-In Bluetooth, DSP, Linux System
- **Compatible Devices:** Amplifier
- **Audio Output Mode:** Stereo
- **Control Method:** Touch, Voice
- **Item Weight:** 3.5 pounds
- **Package Dimensions:** 15.07 x 7.13 x 6.65 inches
- **Visible Screen Diagonal:** 13" / 32 cm

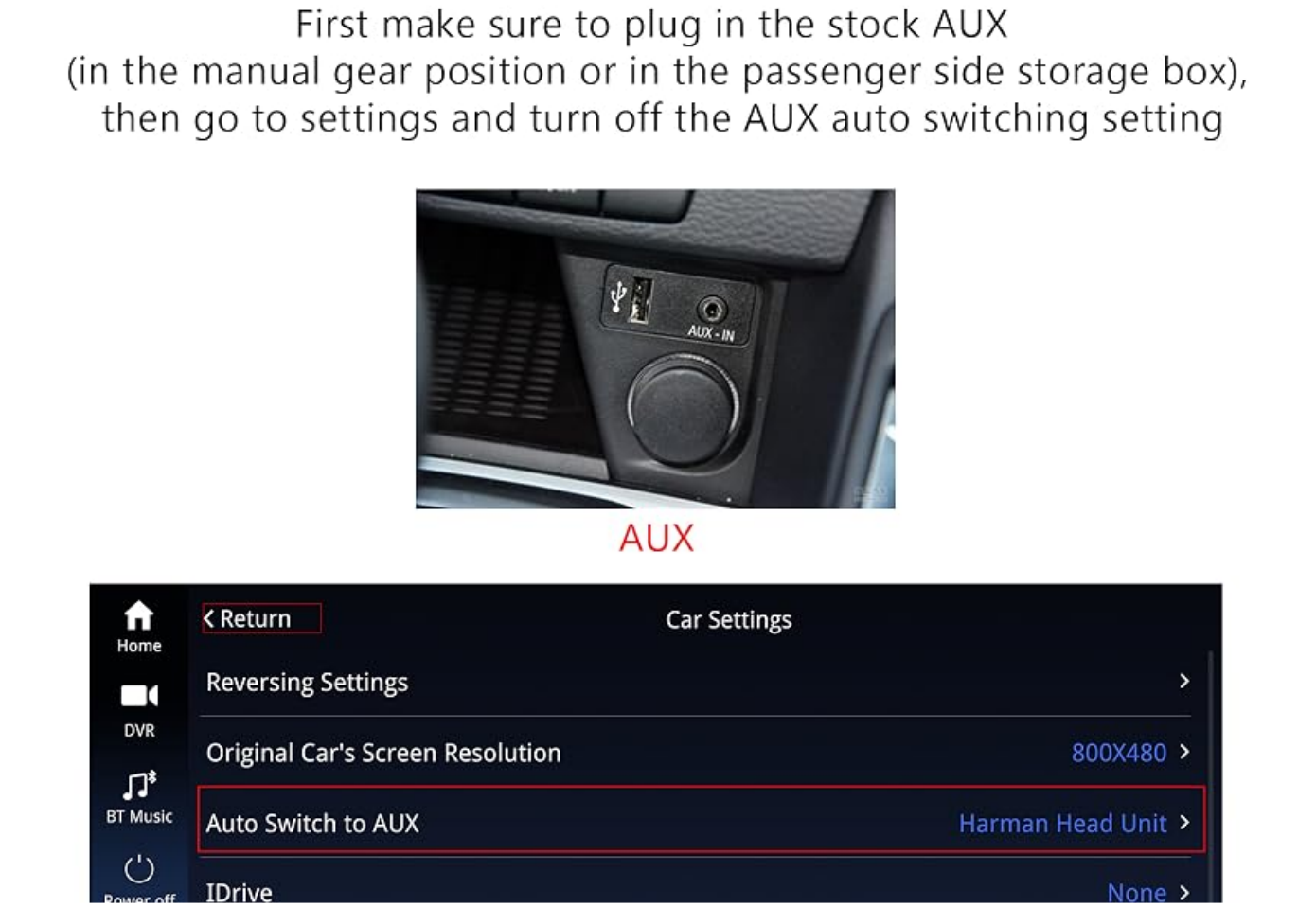


Image: A detailed comparison highlighting the superior design and display technology of the Uckazy product, featuring a narrow bezel and high-resolution IPS screen, compared to older, bulkier designs.



Image: A visual demonstration of the Uckazy product's in-cell screen technology, which significantly reduces light reflection and visual obstruction compared to standard screens.

10. Warranty and Support

Your Uckazy 12.3-inch Linux CIC System is backed by a commitment to quality. For specific warranty details, please refer to the product listing or contact the seller directly.

Technical Support:

If you encounter any issues during installation or operation, or have questions regarding the product, please contact Uckzay Factory Outlet. They are the seller and can provide direct technical assistance.

You can typically find the seller's contact information on the product page where you made your purchase, often under the 'Sold by' section or by clicking on the seller's name.



Image: Guide on how to access technical support by locating the seller, Uckzay Factory Outlet, and using the 'Ask a question' feature on the product page.

Protection Plans:

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty. These typically include 2-Year and 3-Year protection plans, as well as monthly subscription options like 'Complete Protect'. Please check the product listing for current offerings and terms.

Returns:

The product typically comes with a 30-day refund/replacement policy. For details on returns, refer to the retailer's return policy.

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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