Uckazy E70 CCC System 12.3’Linux CCC System

Uckazy Carplay Android Auto Radio Touch Screen User Manual

Model: E70 CCC System 12.3’Linux CCC System

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Uckazy 12.3-inch Linux System Carplay Android Auto Radio Touch Screen. Designed for BMW X5 E70 and X6 E71 models (2011-2013 CCC System), this unit upgrades your original display to a high-definition touch screen while retaining all original car functions and adding advanced connectivity features. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.



Figure 1: Uckazy 12.3-inch Linux System Carplay Android Auto Radio Touch Screen in a BMW dashboard.



Figure 2: Overview of Uckazy 12.3-inch Ultra Narrow Screen features.

Safety Information

- Always ensure the vehicle is turned off and the battery is disconnected before beginning any installation work.
- Improper installation can lead to damage to the product or vehicle. If unsure, seek professional assistance.
- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Keep the product away from water, moisture, and extreme temperatures.
- Use only the provided cables and accessories to prevent damage.

What's in the Box

Verify that all components are present before beginning installation:

- Plug and play power cable
- Bracket frame
- USB cable
- AUX cable
- Uckazy 12.3-inch Linux System Display Unit

Setup and Installation

This section guides you through the installation process. It is recommended to review all steps before starting.

1. Compatibility Check

Ensure your vehicle is compatible with the Uckazy 12.3-inch Linux System. This unit is designed for BMW X5 E70 (2011-2013) and BMW X6 E71 (2011-2014) with the original CCC system. Verify your car's system by checking the LVDS port type. A 10-pin LVDS port indicates a CCC system, while a 4-pin LVDS port indicates a CIC system, which is not compatible with this specific model.

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.

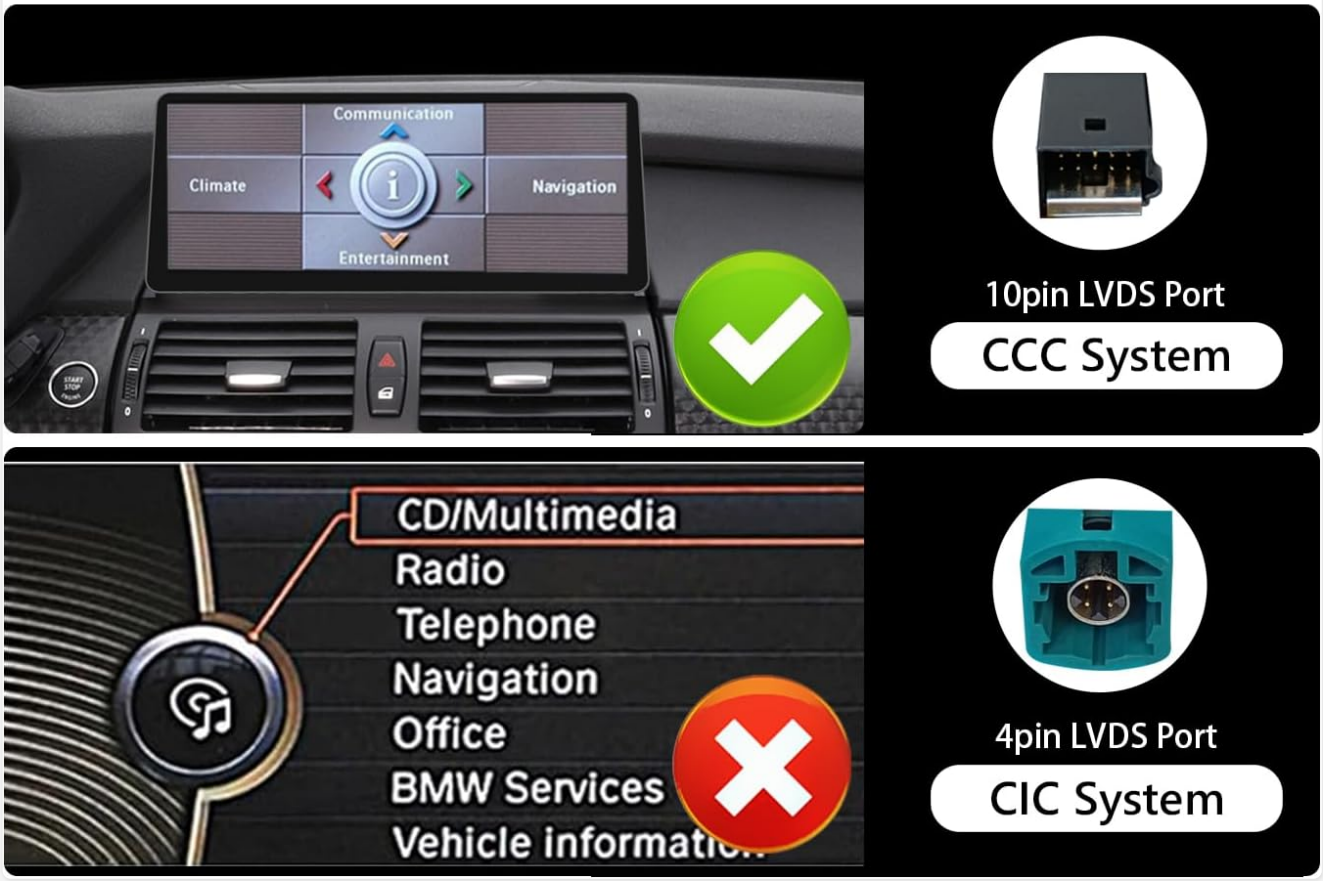


Figure 3: Compatible Models & Year and LVDS Port Identification.

2. Fiber Optic Cable Transfer (If Applicable)

If your original car stereo uses fiber optic cables for sound, you will need to transfer them to the new power cable. This is a critical step for audio functionality.

Your browser does not support the video tag.

Video 1: Instructions on how to transfer fiber optic cables for sound. This step is crucial if your original system uses fiber optics to ensure audio output from the new unit.

Steps for Fiber Optic Cable Transfer:

1. Locate the original power cable connected to your car's head unit.
2. Carefully cock the snap on the original connector and pull out the fiber optic cable.
3. Locate the corresponding slot on the new power cable provided with your Uckazy unit.
4. Insert the transferred fiber optic cable into the correct interface on the new power cable until it snaps securely. Ensure it is fully seated to prevent sound issues.

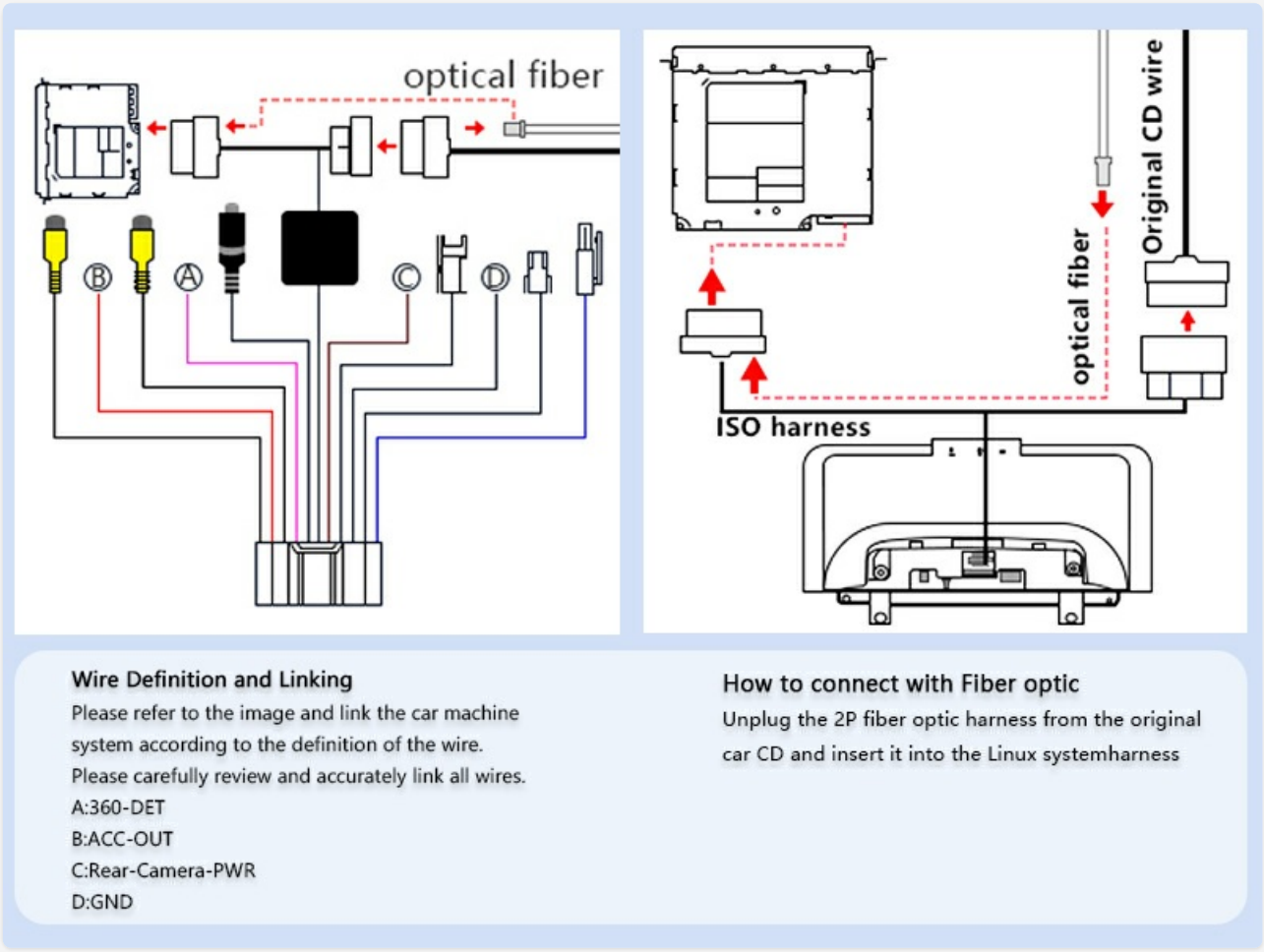


Figure 4: Wire Definition and Fiber Optic Connection Diagram.

3. Wiring Connections

Connect the provided wiring harness to your vehicle's existing wiring. Ensure all connections are secure.

- Connect the main power cable.
- Connect the USB cable. USB1 is for data link (CarPlay/Android Auto), USB2 is for storage. Ensure CarPlay/Android Auto is connected to USB1.
- Connect the AUX cable.

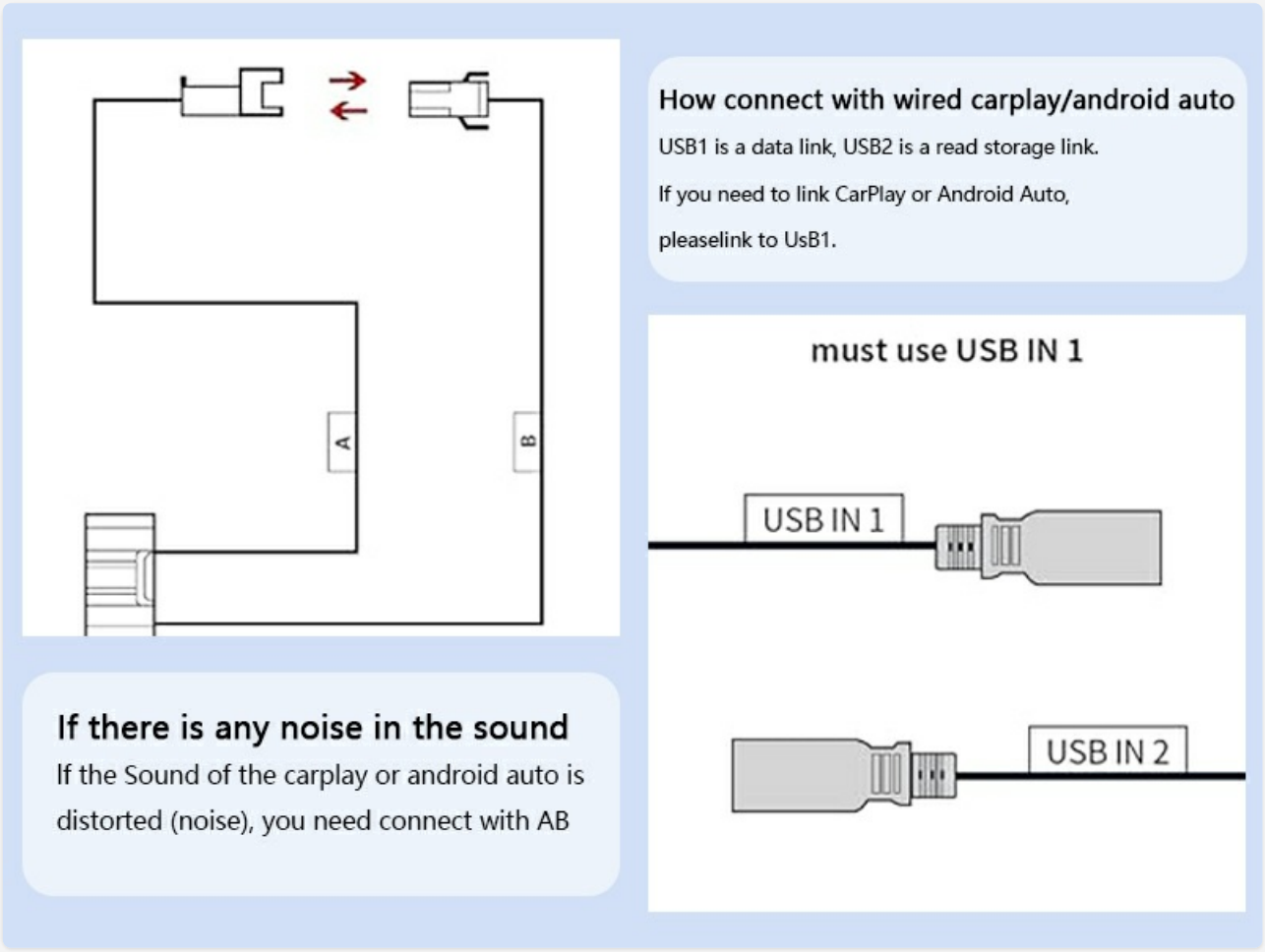


Figure 5: USB Connection for CarPlay/Android Auto and Noise Reduction Tip.

4. AUX Input Configuration

For proper audio output, ensure the stock AUX input is plugged in and configured correctly.

1. Locate and plug in the stock AUX cable (typically in the manual gear position or passenger side storage box).
2. Access the settings on the Uckazy unit.
3. Navigate to "Car Settings" and turn off the "AUX auto switching" setting.
4. If manual AUX setting is required, go to "Main menu" > "Multimedia" > "External devices". Long press the number key "8" until you hear a tone to activate the new system's sound.

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 6: AUX Input Location and Settings Configuration.

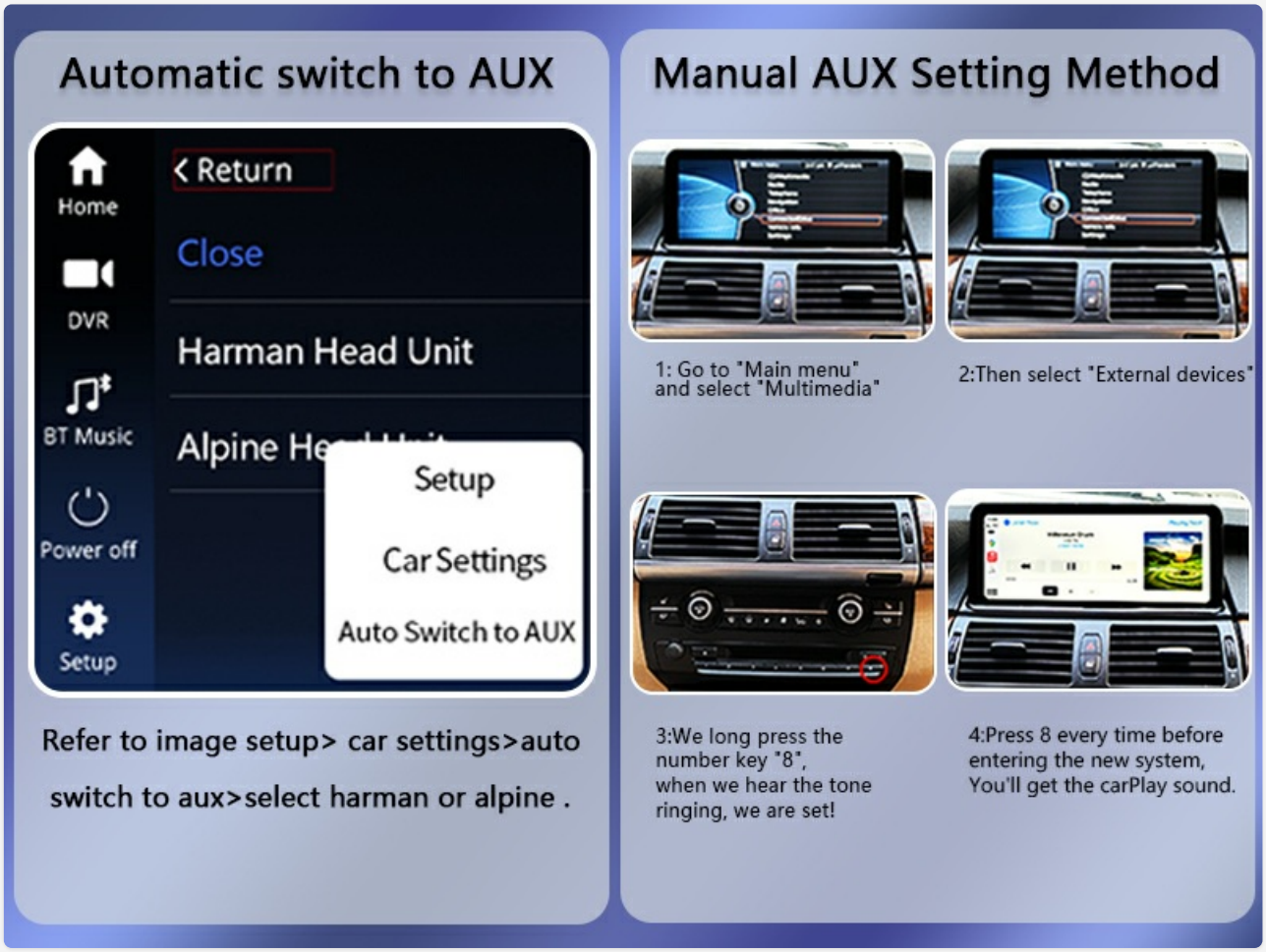


Figure 7: Automatic and Manual AUX Setting Methods.

5. Screen Resolution and Camera Settings

Adjust the display resolution and camera settings for optimal performance.

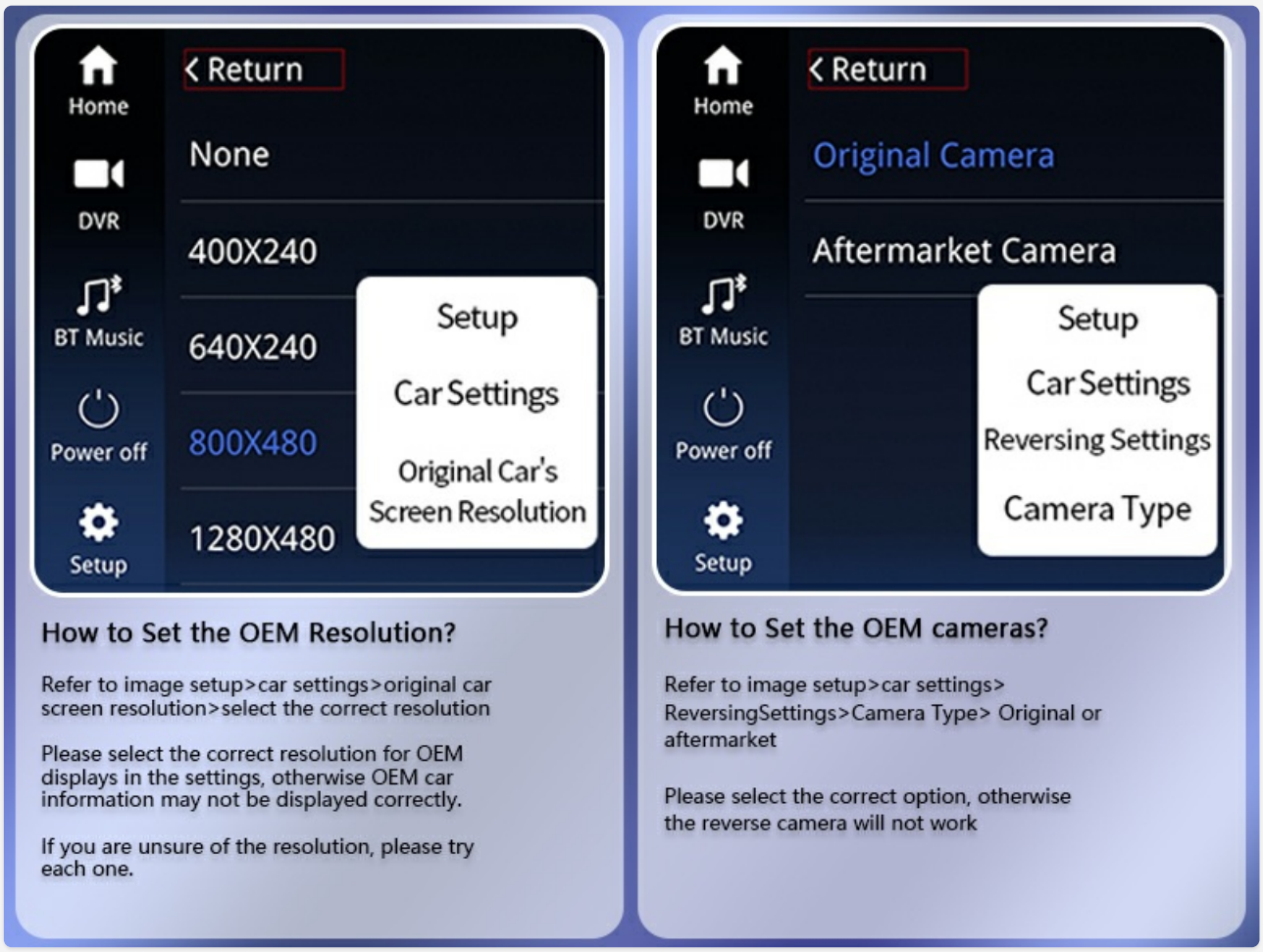


Figure 8: OEM Resolution and Camera Settings.

- **Set OEM Resolution:** Go to `setup > car settings > original car screen resolution` and select the correct resolution for your OEM display. Incorrect settings may prevent OEM car information from displaying correctly.
- **Set OEM Cameras:** Go to `setup > ReversingSettings > Camera Type` and select "Original" or "Aftermarket" based on your camera setup. Incorrect selection will prevent the reverse camera from working.



Figure 9: Before and After Installation Comparison.

Operating Instructions

Your Uckazy unit offers a seamless integration of the original car system with a new Linux-based system, providing enhanced features and functionality.

Dual System Switching

Easily switch between the original car system and the new Linux system with a single click, retaining all original functions.



Figure 10: One-Click Dual System Switching.

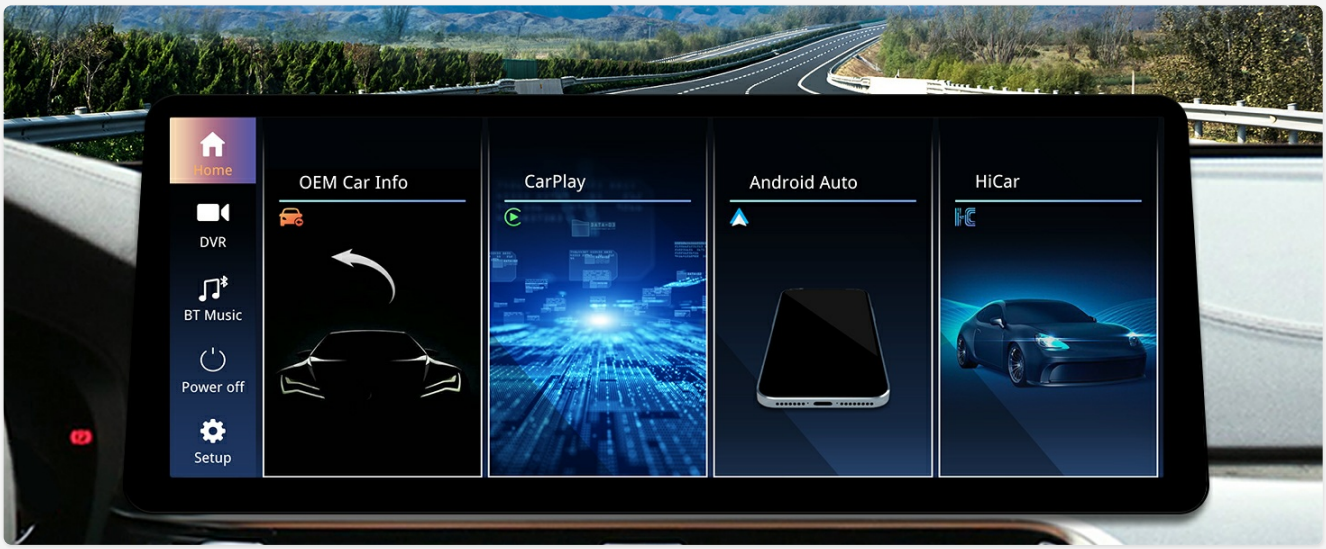


Figure 11: Main User Interface of the Uckazy Unit.

Wireless Apple CarPlay & Android Auto

Connect your smartphone wirelessly for navigation, music, calls, and more. Supports both wireless and wired connections.



Figure 12: Wireless CarPlay and Android Auto in action.

To connect Wireless CarPlay:

1. Ensure Bluetooth is enabled on your iPhone.
2. On the Uckazy unit, select the CarPlay icon.
3. Follow the on-screen prompts to connect via Bluetooth and allow all necessary permissions.



Figure 13: Wireless CarPlay Connection Steps.

Built-in DSP (Digital Signal Processor)

Enhance your audio experience with the 16-segment EQ and various tuning methods. Adjust the sound quality to your preference.



Figure 14: Built-in DSP Equalizer Interface.

Camera Functionality

The unit supports compatible OEM reversing cameras and aftermarket reverse cameras, as well as front view camera DVR (CVBS input).



Figure 15: Camera Function Display.

Original System Retention

The Uckazy unit is designed to retain key original BMW system functionalities:

- Support Original car knob (iDrive control)
- Support Steering wheel button control
- Retains Original Bluetooth
- Supports Factory Rear View Camera
- Compatible with Amplifier System
- Keeps the Original CD and Car System



Figure 16: Support for Original BMW System Features.



Figure 17: Continued Support for Original OEM System.

Automatic Light Sensitivity

The unit supports automatic light sensitivity, adjusting day and night modes based on your car's original headlights

for optimal visibility.

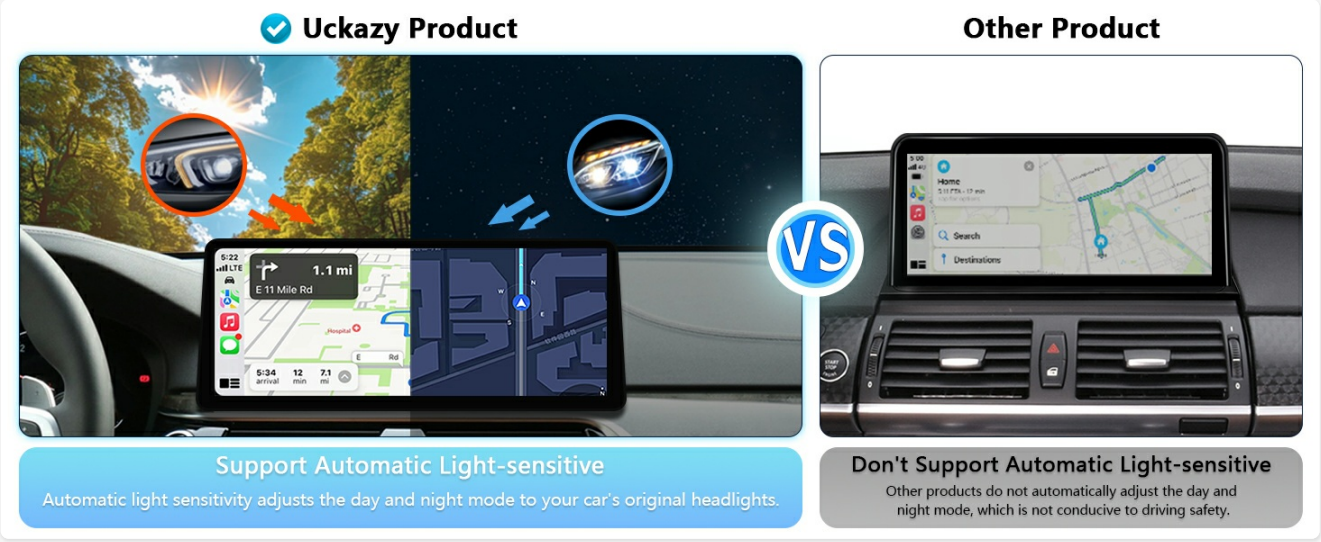


Figure 18: Automatic Light-sensitive Feature.

Maintenance

- Clean the screen with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- Keep the unit free from dust and debris.
- Avoid exposing the unit to direct sunlight for extended periods, especially in hot climates.

Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No Sound Output	◦ Ensure fiber optic cables are correctly transferred and seated (refer to Setup section and Video 1). ◦ Verify the AUX cable is properly connected and the AUX input is selected/configured in settings (refer to Setup section, Figure 6 & 7). ◦ Check all power connections.
Display Comes Up Upside Down Sometimes	◦ Check the unit's display orientation settings. ◦ Ensure all cables are securely connected and not loose.
Screen Bubbles / Package Damaged	◦ This may indicate shipping damage. Contact customer support for assistance.
Original Car Information Not Displaying	◦ Ensure the correct OEM screen resolution is selected in the unit's settings (refer to Setup section, Figure 8).
Reverse Camera Not Working	◦ Verify the camera type (Original/Aftermarket) is correctly set in the unit's settings (refer to Setup section, Figure 8). ◦ Check camera connections.

Problem	Possible Cause / Solution
Noise in Sound (Distorted Audio)	◦ If using wired CarPlay/Android Auto, ensure the AB connection is made as indicated in the wiring diagram (Figure 5). ◦ Check all audio connections for secure fit.

For further assistance, please refer to the Technical Support section.

Specifications

Feature	Detail
Display Size	12.3 inches
Resolution	1920 x 720 HD LED
Operating System	Linux System
Connectivity	Wireless/Wired Apple CarPlay, Wireless/Wired Android Auto, Wireless Mirrorlink (iOS/Android), Bluetooth, WI-FI, USB
Audio Features	Built-in DSP with 16 EQ segments, Stereo Audio Output
Control Method	Touch, Voice (Siri/Google Voice Assistant)
Compatibility	BMW X5 E70 (2011-2013), BMW X6 E71 (2011-2014) - CCC System
Dimensions (Package)	14.98 x 7.08 x 7.08 inches
Item Weight	3.5 pounds

Warranty and Support

Uckazy is committed to providing high-quality products and customer satisfaction. If you encounter any issues or have questions, please contact our technical support team.
Warranty Information: Please refer to your purchase documentation for specific warranty terms and conditions. Typically, products come with a manufacturer's warranty covering defects in materials and workmanship.
Technical Support: For installation assistance, troubleshooting, or any product-related inquiries, you can reach out to the seller directly through the platform where you purchased the product. Many common issues related to installation and sound can be resolved with guidance.



Figure 19: How to Contact Technical Support.

For returns or replacements, please adhere to the 30-day refund/replacement policy as per the purchase platform.

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