Uckazy F10CIC-LIN

Uckazy 12.3-inch Linux CIC System for BMW 5 Series F10 F11 (2011-2012) Instruction Manual

Model: F10CIC-LIN

Product Overview

This manual provides detailed instructions for the installation, operation, and maintenance of your Uckazy 12.3-inch Linux CIC System. This multimedia player is designed as an upgrade for BMW 5 Series F10 F11 models from 2011-2012 with the CIC system, offering enhanced features such as wireless Apple CarPlay, Android Auto, and a high-resolution touch screen.

The system integrates seamlessly with your original vehicle functions while providing a modern and intuitive user experience.

Vehicle Compatibility

This product is specifically designed for:

- **BMW 5 Series F10 F11 (2011-2012)**
- Compatible with **CIC System** (520i, 525i, 528i models).

Important: Before installation, please verify your vehicle's system is CIC. If unsure, consult a professional or contact customer support.



Image: Diagram illustrating how to identify a BMW CIC system (4-pin LVDS port) versus an NBT system (6-pin LVDS port) based on the multimedia menu options and connector type. A green checkmark indicates CIC compatibility, while a red cross indicates NBT incompatibility for this specific product.

What's in the Box

- Ultra narrow 12.3" in-cell display screen
- Plug and play power Cable/Frame
- USB/AUX/RCA Cable
- Reverse trajectory camera AHD 720P
- Installation tools and touch pen

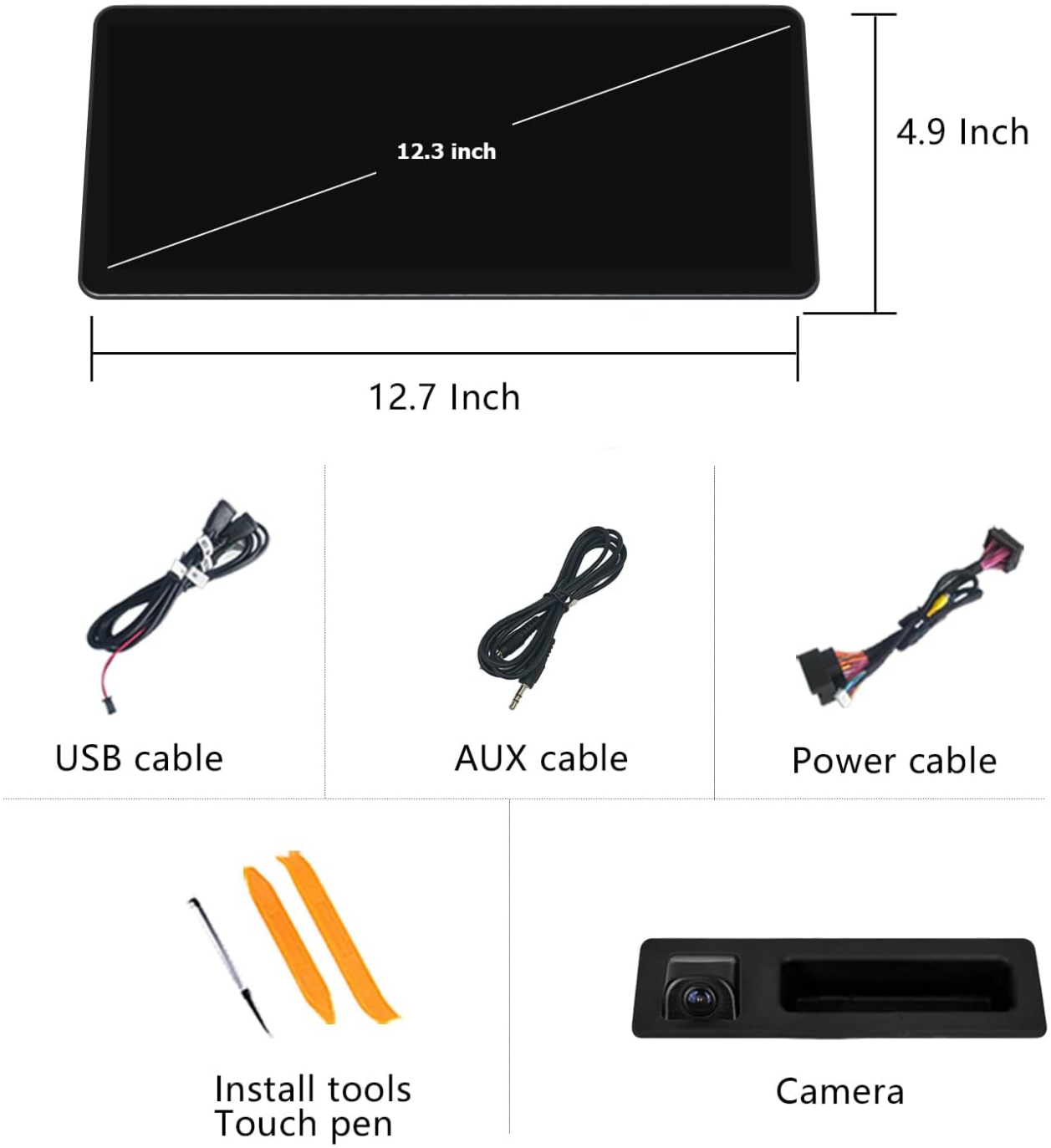


Image: A visual representation of the product components, including the 12.3-inch screen, USB cable, AUX cable, power cable, installation tools with a touch pen, and a reverse camera.

Product Specifications

Feature	Specification
Model Number	F10CIC-LIN
Screen Size	12.3 inches
Screen Resolution	HD 1920*720
Screen Technology	IN-CELL, Full Lamination, IPS

Operating System	Linux System (Dual system with original car system)
Connectivity	Wireless/Wired Apple CarPlay, Wireless/Wired Android Auto, Wireless Mirrorlink (iOS/Android), Bluetooth, Wi-Fi
Audio Output Mode	Stereo (Built-in DSP with 16 EQ segments)
Control Method	Touch, Original Car Knob, Steering Wheel Buttons
Reverse Camera	AHD720P, Built-in trajectory, Night Vision, IP6 Waterproof, 25Hz refresh rate
Item Weight	4.13 pounds
Package Dimensions	15.16 x 7.17 x 6.77 inches

Installation Guide

This product features a plug-and-play design, simplifying the installation process. However, careful attention to detail is required for proper setup. Ensure the vehicle's power is off before beginning installation.

1. Removing Original Components

1. **Remove the Upper Shell and Air Conditioning Vents:** Use an installation tool to carefully pry and remove the upper shell and air conditioning vents. Disconnect any wires connected to this panel.
2. **Remove the Button Panel:** Unscrew and detach the button panel. Disconnect its wiring.
3. **Remove the OEM Screen:** Unscrew and remove the original OEM screen. Disconnect its cables.
4. **Remove the CD Host:** Unscrew and carefully pull out the CD host unit. Disconnect the original power cable from the head unit.

2. Wiring and Connecting the New System

1. **Route the New Power Cable:** Route the new power cable inside the vehicle structure to the CD host location.
2. **Connect New Power Cable:** Connect the new power cable to the CD host and the original power cable.
3. **Connect USB Cable to Screen:** Take the USB cable and connect the bm168 port to the new screen.
4. **Connect Cables to New Screen (10.25 inch model):** Connect the necessary cables to the back of the new 10.25-inch screen.
5. **Install the New Screen (10.25 inch model):** Carefully install the 10.25-inch screen into the dashboard.
6. **Install the Bracket (12.3 inch model):** If installing the 12.3-inch screen, first install the provided bracket.
7. **Connect Cables to New Screen (12.3 inch model):** Connect the necessary cables to the back of the new 12.3-inch screen.
8. **Install the New Screen (12.3 inch model):** Carefully install the 12.3-inch screen into the dashboard.

3. Reassembly and Final Steps

1. **Secure the Screen:** Insert screws through the fixing holes at the bottom of the screen and tighten them.
2. **Reconnect Button Panel:** Connect the wires of the button panel and reinstall it, fixing the screws.
3. **Reconnect Upper Shell:** Connect the wires of the upper shell and reinstall it.

Reminder: Before proceeding with the subsequent installation steps, we recommend testing all functions of the device screen. Detailed functional testing steps can be found in the "Operating Instructions" section of this manual.

Installation Visual Guide (Videos & Images)

Installation Overview

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Video: A comprehensive installation tutorial for the BMW 5 Series Wireless Touch Screen, demonstrating the step-by-step process of removing original components, connecting the new system, and reassembling the dashboard. This video is provided by Barggn-US.

BMW 5 Series CIC System (2011-2012) Installation

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Video: Installation guide for the ATOTO BMW 5 Series CIC system (2011-2012), showing the process of removing the original car stereo display, installing the new Android car stereo, and connecting various cables and components. This video is provided by AutoSmartHK.

BMW X3/X4 (F25/F26) CIC System Installation

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Video: Installation guide for the Uckazy BMW X3/X4 (F25/F26) CIC system, demonstrating the removal of original components, connecting cables, and reinstalling parts. This video is provided by Uckazy.

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.



Image: A side-by-side comparison showing the BMW 5 Series dashboard before and after the installation of the new 12.3-inch screen, highlighting the visual upgrade.

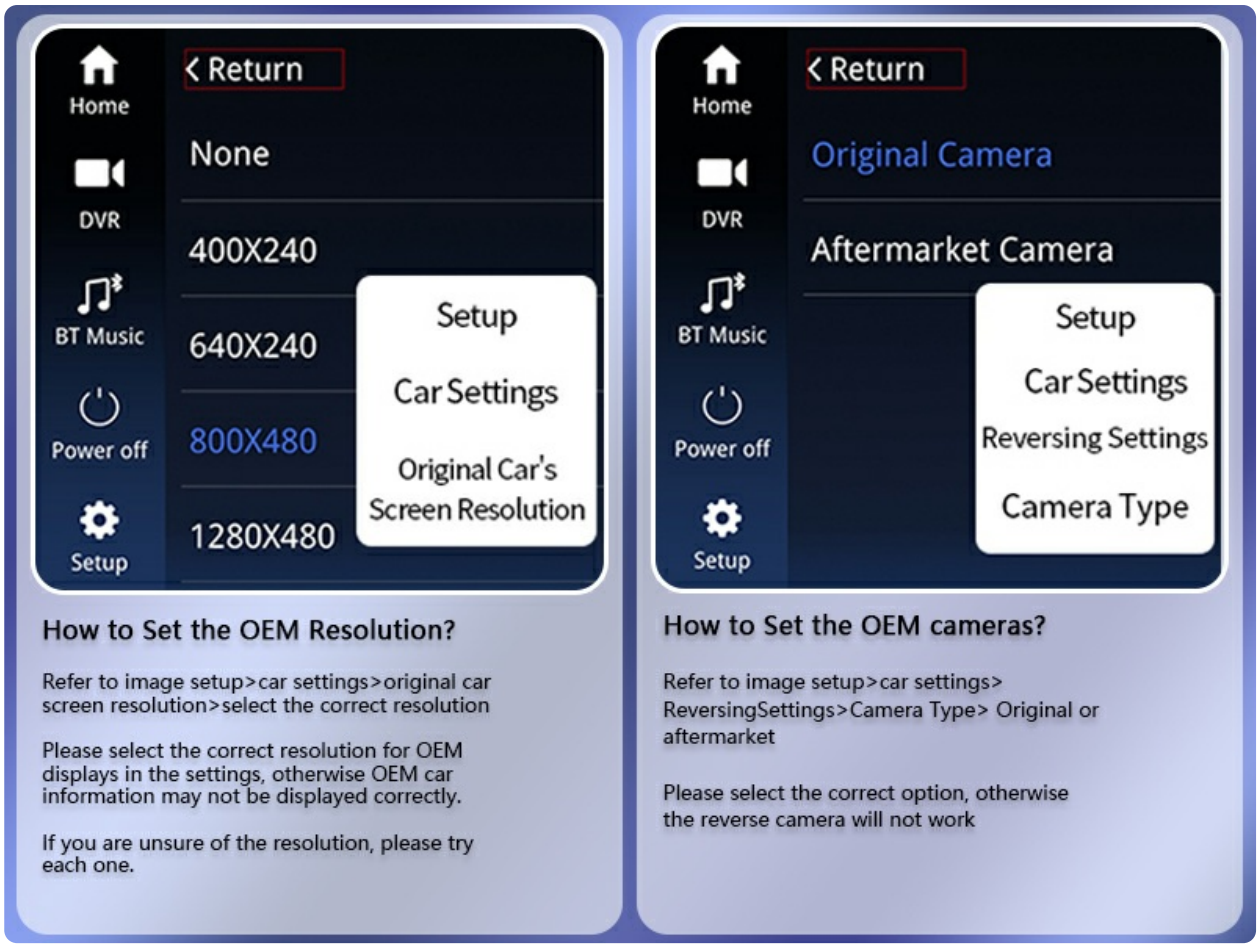


Image: Diagram illustrating wire definitions (A: 360-DET, B: ACC-OUT, C: Rear-Camera-PWR, D: GND) and instructions on how to connect with fiber optic cables by unplugging from the original CD and inserting into the Linux system harness.



Image: Diagram showing how to connect wired CarPlay or Android Auto using USB1 (data link) and USB2 (read storage link). It also provides a solution for sound distortion (noise) by connecting AB.

Operating Instructions

1. Dual System Switching

The unit supports one-click switching between the Linux system and the original car system. This allows you to retain all original functions while accessing new features.



Image: Illustration showing the seamless one-click switching functionality between the new Linux system interface and the original BMW car system.

2. CarPlay and Android Auto

The system supports wireless and wired Apple CarPlay and Android Auto. Connect your smartphone via Bluetooth for wireless connection, or use a USB cable for wired connection.

- **Wireless CarPlay:** Connect Bluetooth, allow all permissions, and wait for connection.
- **Access Features:** Once connected, access map navigation, phone contacts, email, notifications, music, and more through voice commands (Siri or Google Voice Assistant).



Image: Displays the user interfaces for Wireless CarPlay and Wireless Android Auto on the 12.3-inch screen, showing various app icons for navigation, music, and communication.

3. Mirrorlink

Wireless Mirrorlink is supported for both iOS and Android phones, allowing you to mirror your phone's screen onto the car display.

4. Reverse Camera Functionality

The included AHD720P reverse camera features a built-in reverse driving trajectory and supports night vision. The image refresh rate is 25Hz.

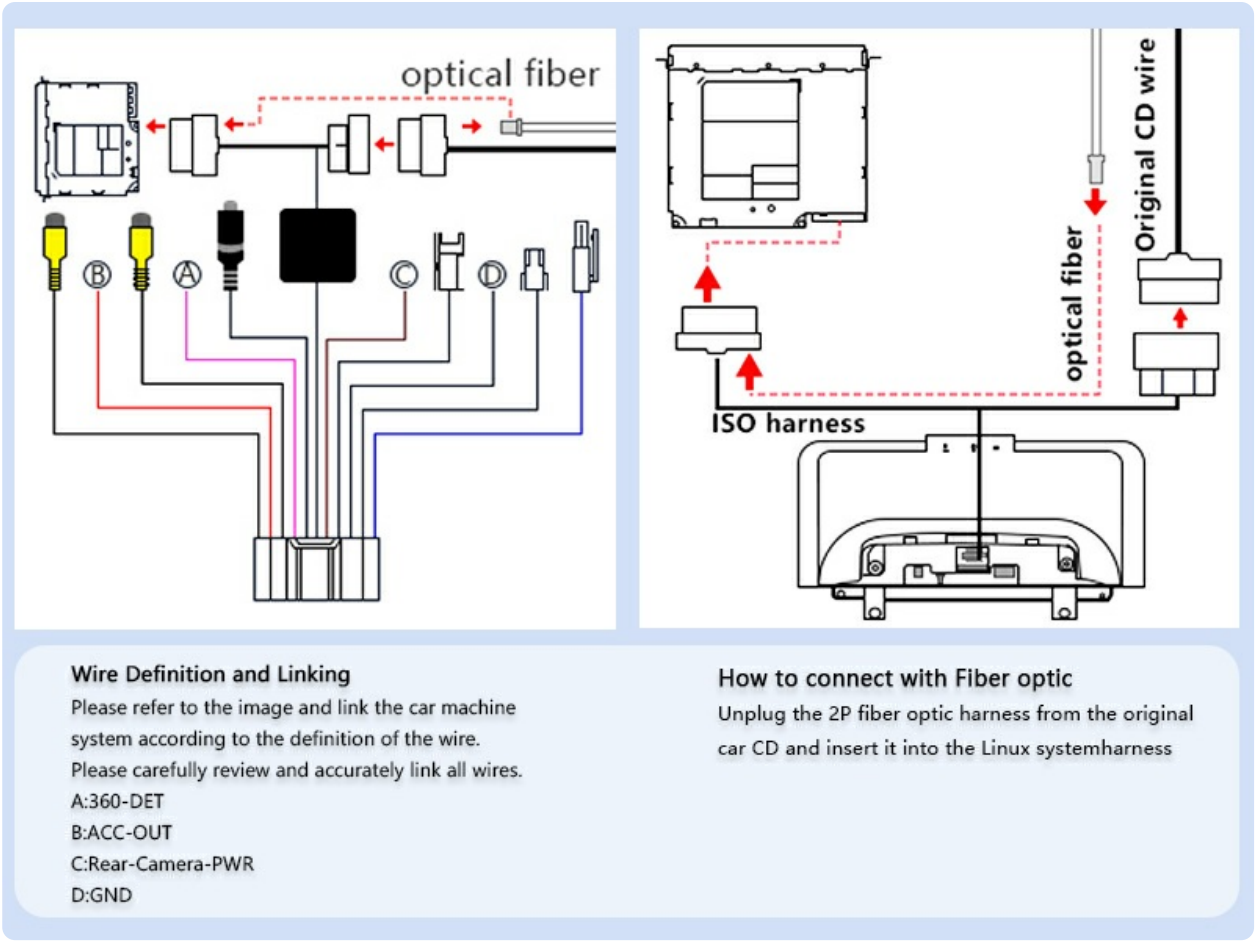


Image: A comparison chart highlighting the superior features of the Uckazy reverse camera, including automatic reverse trajectory, real glass lens, 25Hz image refresh rate, night vision effect, and AHD 720P resolution, compared to other products.

5. Automatic Light Sensitivity

The screen's automatic light sensitivity adjusts between day and night modes based on your car's original headlights for optimal visibility.

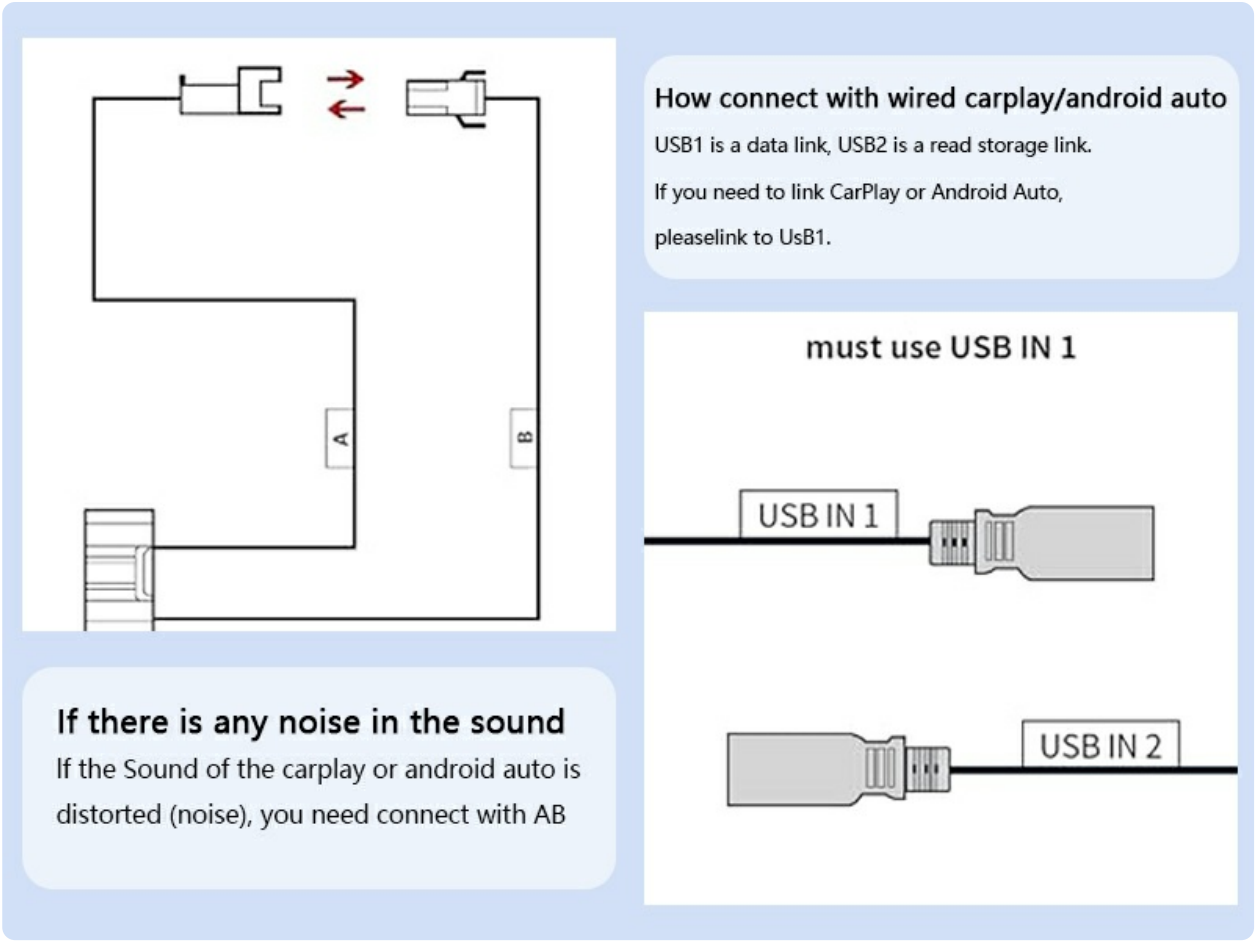


Image: A split image showing the screen display in bright daylight and dark night conditions, demonstrating the automatic light sensitivity adjustment feature.

6. Original Car Function Retention

The upgraded capacitive touch screen retains all original car functions, including the radio, amplifier, factory steering wheel control, original car mouse 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.

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 collage of six images showing various original BMW features that are supported by the new system, including the original car knob, steering wheel buttons, hand-touch, factory rear view camera, amplifier system, and retained original Bluetooth.

Audio Setup and Troubleshooting

1. Optical Fiber Cable Installation

If your original vehicle has an optical fiber cable, it must be removed from the original connector and inserted into the harness of the new power cable. This ensures proper audio signal transmission.

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Video: Tutorial on how to relocate optic cables to the Linux harness for BMW, demonstrating the process of transferring the optical fiber cable from the original power connector to the new harness. This video is provided by ninetom.

2. AUX Cable Connection (Sound Transmission Method 1)

Connect the EXT-AUX cable to the AUX port in your vehicle. Ensure the AUX volume is adjusted and not set to zero.

- **Setup Steps:**
  a. Return to the Main menu page.
  b. Select "Multimedia".
  c. Select "External devices".
  d. Select "AUX front".
  e. Adjust the volume of AUX (cannot be 0).
  f. Touch the screen to switch to the new system and turn on CarPlay/Android Auto.

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Video: Audio settings for Linux screen for BMW CIC and NBT, detailing AUX setup steps and troubleshooting for sound issues. This video is provided by ninetom.

3. Bluetooth Transmission (Sound Transmission Method 2)

For vehicles with OEM vehicle Bluetooth that supports both phone calls and music.

- **Setup Steps:**
  a. Return to the main page of the new system and select "Setup".
  b. Select "System".
  c. Turn on "Use Car's BT Channel".
  d. Switch to the original vehicle system.
  e. Turn on the original vehicle's Bluetooth page.
  f. Turn on the mobile phone's Bluetooth page and connect to the original vehicle's Bluetooth.
  g. Return to the Main menu page.
  h. Select "Multimedia".
  i. Select "External devices".
  j. Select the Bluetooth name of your mobile phone.
  k. Touch the screen to switch to the new system and turn on CarPlay/Android Auto.

4. Troubleshooting Sound Issues

- **No Sound Issue:**
  a. Has the optical fiber cable been transferred to the new power harness?
  b. Has the "Use Car's BT Channel" option been turned off (for AUX) or on (for Bluetooth)?
  c. Has the phone's Bluetooth connection to the vehicle been disconnected (for AUX) or connected (for Bluetooth)?
  d. Has the AUX cable been connected, and its input volume turned up?
  e. If there is noise, try connecting or disconnecting the GND cable.
- **No Sound (Fiber Optic Cable Transfer):**
  Your browser does not support the video tag.
  Video: Tutorial on how to transfer fiber optic cables to fix no sound issues. This video is provided by Uckzay Factory Outlet.
- **General No Sound Issue:**
  Your browser does not support the video tag.
  Video: Guide on how to fix the no sound issue, covering various troubleshooting steps. This video is provided by PEMP Car Audio.

Warm Reminder: The vehicle's Bluetooth sound mode only supports CarPlay and Android Auto. If you are using screen mirroring or USB to play music/videos, please use AUX sound mode.

Maintenance

To ensure the longevity and optimal performance of your multimedia player, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. Avoid harsh chemicals or abrasive materials that could damage the display.

- **Software Updates:** Periodically check for firmware updates to ensure your system has the latest features and bug fixes. Refer to the "System" settings for update options.
- **Cable Connections:** Ensure all cables remain securely connected to prevent intermittent issues.

Warranty and Support

Your Uckazy multimedia player comes with a 30-day refund/replacement policy. For any technical issues, installation difficulties, sound problems, or if the original car UI doesn't display correctly, please contact the seller for support.

The seller, Uckzay Factory Outlet, is committed to providing high-quality service and technical assistance.

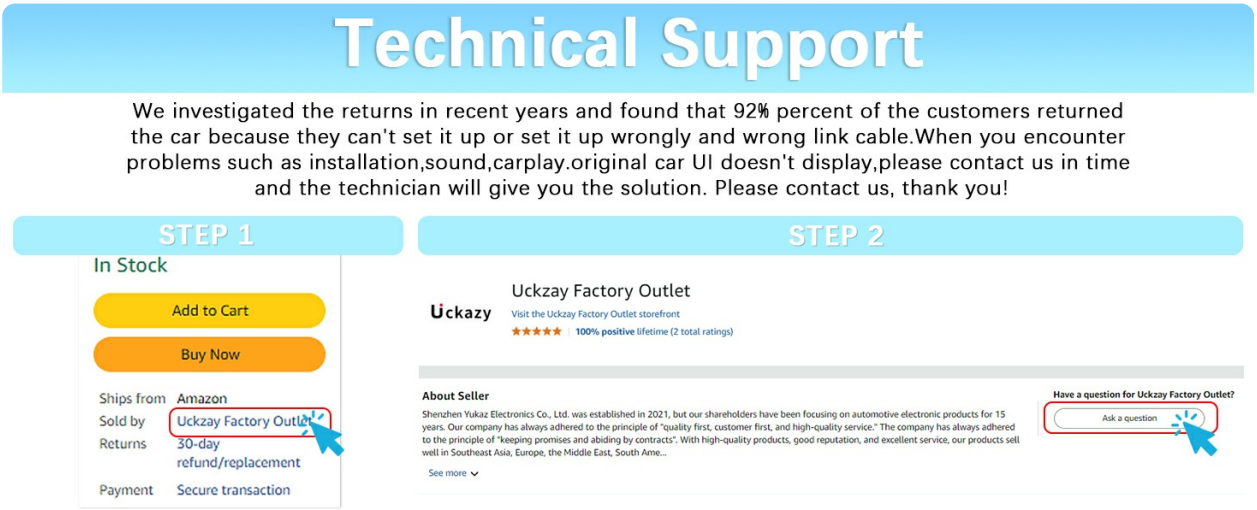


Image: Screenshot showing how to contact the seller, Uckzay Factory Outlet, for technical support via the "Ask a question" link on the product page.