Uckazy NTG4.5/4.7 System

Uckazy 12.3 Inch CarPlay Android Auto Multimedia Stereo User Manual

For Mercedes Benz E-Class W212 (2013-2014) NTG 4.5/4.7 System

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Uckazy 12.3 Inch Ultra Narrow CarPlay Android Auto Multimedia Stereo. This device is designed to enhance your driving experience by integrating modern multimedia features while retaining the original functionalities of your Mercedes Benz E-Class W212 (2013-2014) with NTG 4.5/4.7 system.

2. Product Overview

The Uckazy multimedia stereo features a 12.3-inch HD (1920*720) IN-CELL screen with full lamination technology, reducing reflections and enhancing display clarity. It operates on a dual system, allowing seamless switching between the Linux system and the original car system. Key features include:

- **Wireless and Wired Connectivity:** Supports Apple CarPlay, Android Auto, and MirrorLink for iOS and Android devices.
- **Integrated DSP:** Built-in Digital Signal Processor with 16 EQ segments for enhanced audio quality and customizable sound profiles.
- **Original Car System Retention:** Maintains original car radio, amplifier, steering wheel controls, mouse knob, display of vehicle data (speed, fuel, oil pressure), safety warnings, and original reverse camera functionality.
- **Automatic Light Sensitivity:** Adjusts display brightness for day and night modes based on your car's original headlights.



Image: The 12.3-inch multimedia stereo displaying the Apple CarPlay interface.

3. Package Contents

Verify that all items are present in the package:

- Ultra narrow 12.3" in-cell display screen
- Plug and play power Cable/Frame
- USB/AUX/RCA Cable
- AMI Cable
- Installation tools and touch pen

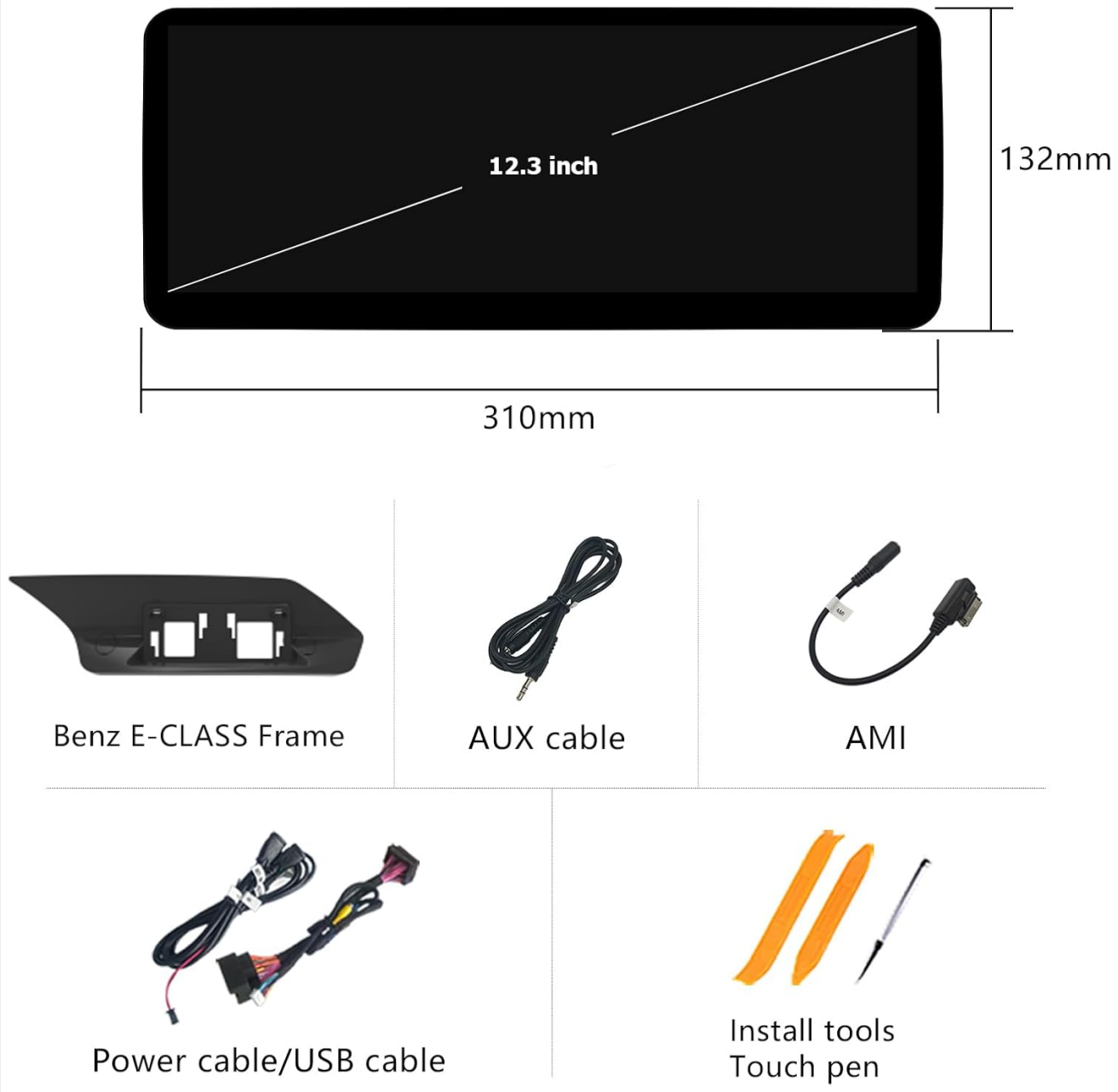


Image: Components included in the package, such as the screen, frame, various cables, and installation tools.

4. Compatibility

This multimedia stereo is specifically designed for Mercedes Benz E-Class W212 E200 E230 E260 E300 S212 models manufactured between 2013 and 2014, equipped with the NTG 4.5/4.7 system. It is compatible with 4-door models only and is not suitable for C207 models or vehicles with NTG 4.0 or NTG 5.0/5.1 systems. The NTG 4.5/4.7 system is identified by a 4-pin LVDS plug on the display.



Image: Visual guide illustrating the differences between NTG 4.0, NTG 4.5/4.7, and NTG 5.0/5.1 systems for compatibility verification.

5. Setup

5.1. Wiring and Fiber Optic Connection

Carefully follow the wiring diagram provided. Ensure all connections are secure and correctly matched to avoid operational issues.



Image: Detailed diagram showing wire definitions and linking instructions for the car machine system.

For vehicles with fiber optic cables, it is crucial to transfer the fiber optic cables from the original car CD unit to the new Linux system harness. This ensures proper audio functionality.

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Video: Demonstration on how to transfer fiber optic cables from the original car system to the new harness for sound integration.

5.2. Initial Configuration

After installation, access the car settings menu to configure the display and camera settings.

- **OEM Resolution:** Navigate to 'Setup > Car Settings > Original Car Screen Resolution' and select the correct resolution for your OEM display. Incorrect settings may prevent original car information from displaying correctly.
- **OEM Camera:** Go to 'Setup > Car Settings > Reversing Settings > Camera Type' and choose 'Original' or 'Aftermarket' based on your camera setup.
- **AUX Activation:** Ensure 'Auto Switch to AUX' is enabled under 'Setup > Car Settings' for proper audio routing.

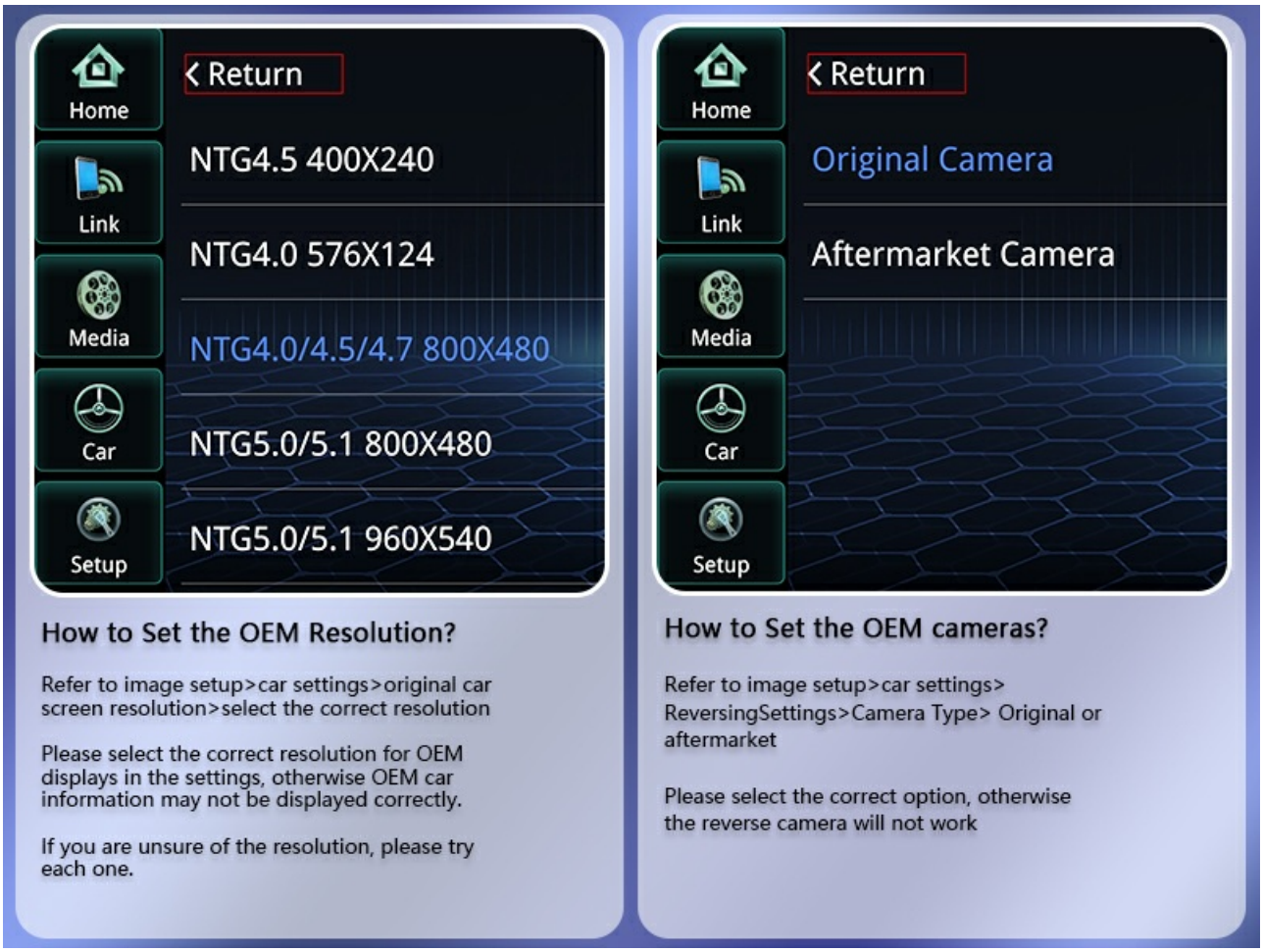


Image: Screenshot showing the OEM Resolution setting within the car settings menu.



Image: Screenshot showing the OEM Camera type selection in the reversing settings.

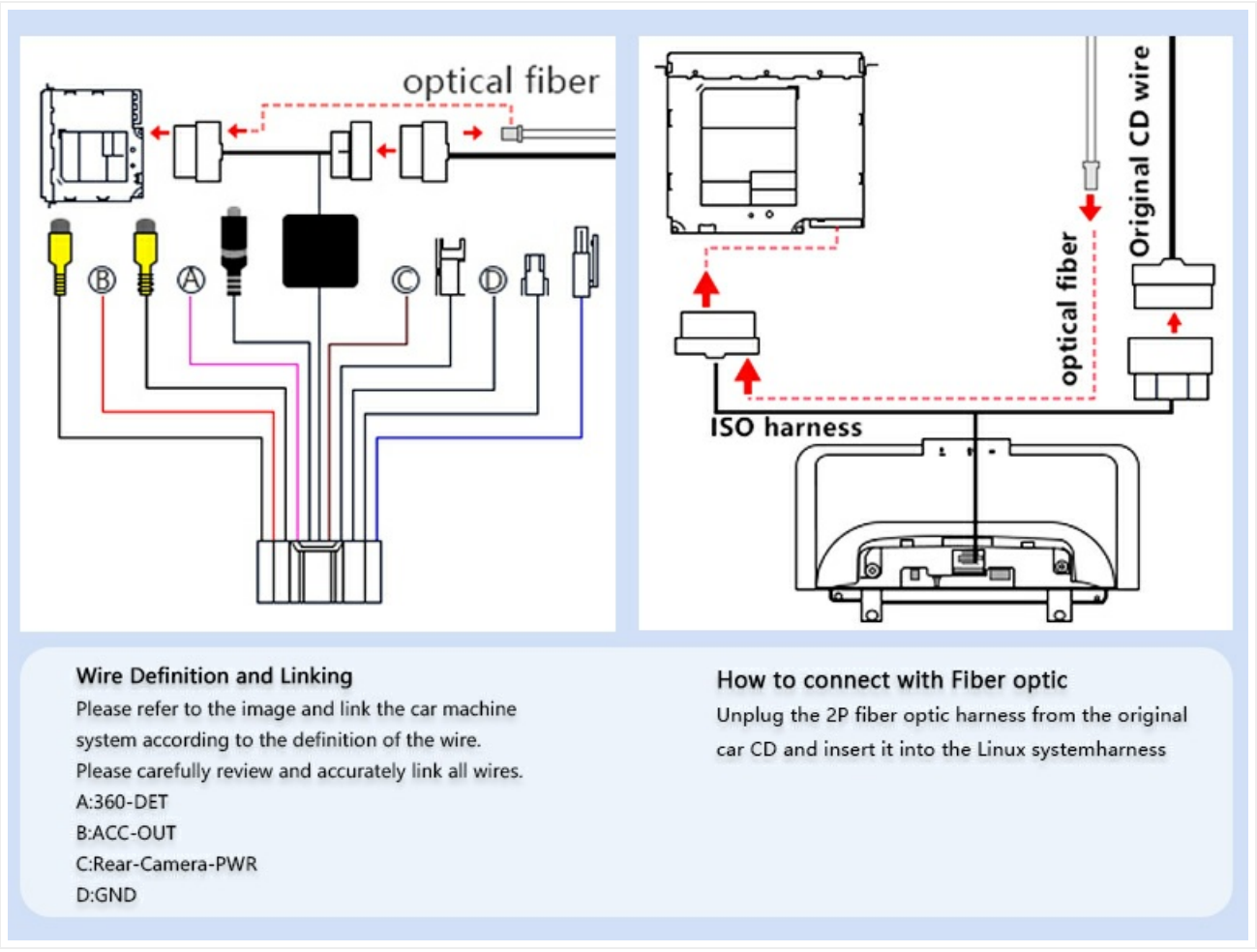


Image: Screenshot demonstrating how to enable the 'Auto Switch to AUX' feature.

6. Operating Instructions

6.1. Dual System Switching

The device supports one-click switching between the Linux system (for CarPlay/Android Auto) and the original car's NTG 4.5/4.7 system. This allows you to seamlessly access both modern features and your vehicle's native interface.



Image: Illustration of the one-click switching functionality between the Linux system and the original car's NTG 4.5 system.

6.2. Wireless CarPlay / Android Auto Connection

To connect your smartphone wirelessly:

1. Ensure the power cord and USB/LVDS cables are connected to the machine.
2. Turn on Bluetooth on your smartphone and search for the device's Bluetooth connection (e.g., CAR-BT-f2ec).
3. Pair your phone with the device.
4. For CarPlay, ensure Siri voice assistant is enabled on your iPhone.
5. The system will automatically connect to CarPlay or Android Auto.

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Video: Step-by-step guide on establishing a wireless CarPlay connection with the Linux system.

6.3. Wired CarPlay / Android Auto Connection

For wired connections, use USB1 (data link) for CarPlay or Android Auto. USB2 is for storage links.



Image: Diagram illustrating which USB port (USB1) to use for wired CarPlay or Android Auto connections.

6.4. Audio Output

The system utilizes the original car's audio system. Ensure the AMI cable is directly inserted, or confirm the original AUX input is used (often found in the manual gear position or passenger side storage box). If using AUX, turn off the AUX auto switching settings if experiencing issues (especially for NTG5.0 dual Bluetooth channel systems).

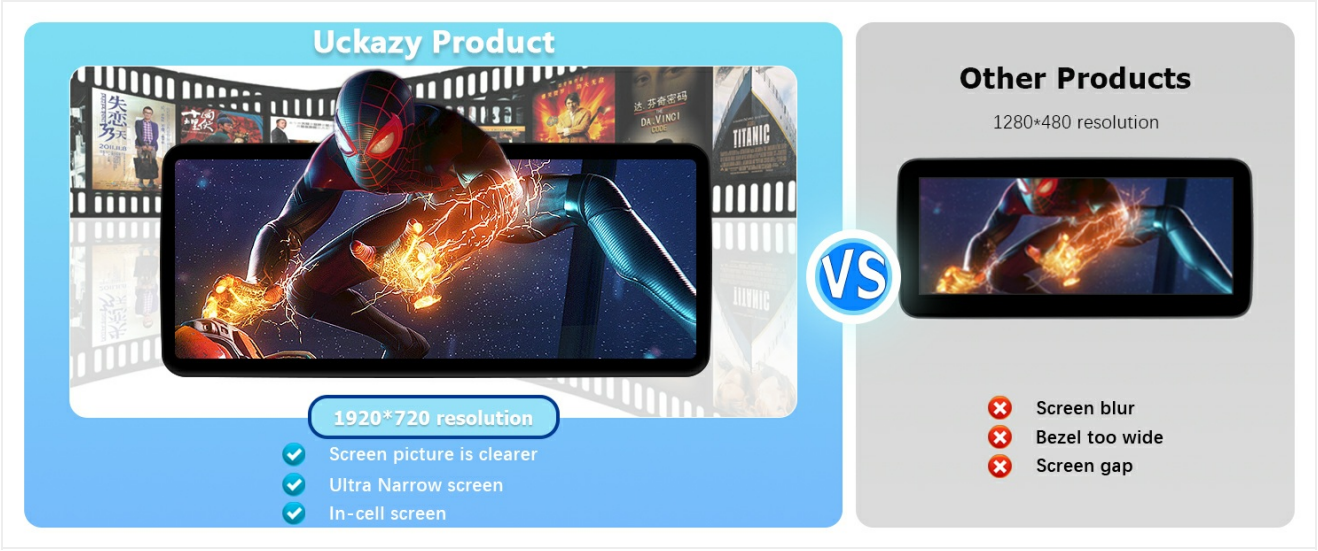


Image: Visual guide for connecting via AMI or AUX, and relevant settings for audio output.

6.5. Display Modes

The screen features automatic light sensitivity, adjusting between day and night modes to match your car's original headlights, ensuring optimal visibility and safety.



Image: Comparison demonstrating the automatic light sensitivity feature, showing the display in both day and night driving conditions.

7. Maintenance

To ensure the longevity and optimal performance of your multimedia stereo:

- Regularly clean the screen with a soft, lint-free cloth. Avoid abrasive cleaners.
- Keep the unit free from excessive dust and moisture.
- Ensure all cables remain securely connected.
- Avoid exposing the unit to extreme temperatures.

8. Troubleshooting

If you encounter issues, consider the following:

- **No Sound:** Verify that the fiber optic cables are correctly transferred and that the AUX input is properly activated in the settings. Check all audio connections.
- **CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on your phone and paired with the device. For CarPlay, confirm Siri is active. For wired connections, ensure you are using USB1.
- **Original Car UI Not Displaying:** Check the OEM Resolution settings in the car settings menu. Ensure the correct resolution is

selected for your vehicle.

- **Distorted Audio:** If there is noise or distortion, ensure all connections are firm. For wired CarPlay/Android Auto, if noise persists, you may need to connect additional grounding or noise filter components if provided or recommended by support.
- **Backup Camera Issues:** Verify the 'Camera Type' setting under 'Reversing Settings' is correctly configured for your original or aftermarket camera.

For persistent issues or complex installation problems, it is recommended to contact technical support.

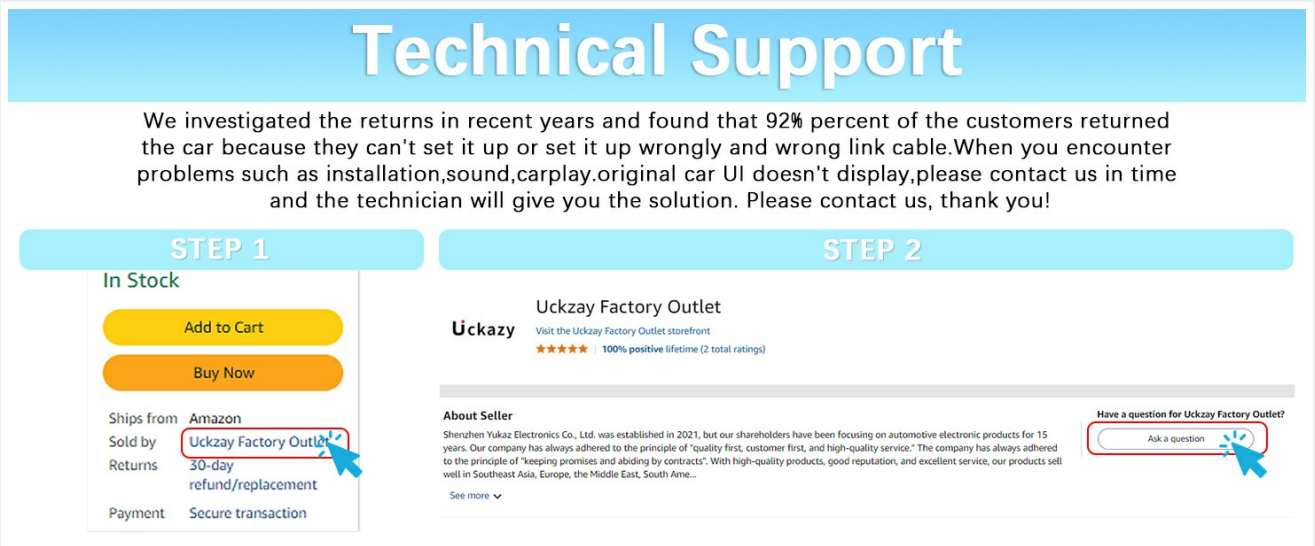


Image: Information on contacting technical support for assistance with installation, sound, CarPlay, or original car UI issues.

9. Specifications

Feature	Specification
Screen Size	12.3 Inches
Resolution	HD 1920x720
Operating System	Linux
Special Feature	Touchscreen
Connectivity Technology	Bluetooth
Map Type	Worldwide (via CarPlay/Android Auto)
Audio Output Mode	Digital
Mounting Type	Dashboard Mount
Product Dimensions	7.3 x 1.6 x 5.12 inches
Item Weight	3.83 pounds

10. Warranty and Support

For any questions regarding installation, operation, or troubleshooting, please contact Uckazy Factory Outlet directly through the Amazon platform. They offer technical support to assist with setup and resolve any issues you may encounter.
Refer to your purchase details for specific warranty information and return/replacement policies.