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Uckazy RM

Uckazy 10.25" Touch Display Screen User Manual

Model: RM

Product Overview

The Uckazy 10.25" Touch Display Screen is an advanced car stereo system designed for specific Mercedes Benz E Class models (W212, E200, E230, E260, E300, S212) from 2009-2012 with NTG 4.0 system. This unit upgrades your original display to a high-definition 1920x720 touch screen, integrating modern features like wireless Apple CarPlay, wireless Android Auto, and Mirrorlink, while retaining all original car functions. It features a built-in DSP for enhanced audio quality and allows for seamless switching between the Linux system and the original car system.



Figure 1: Uckazy 10.25" Touch Display Screen with CarPlay and Android Auto.

Compatibility

This unit is specifically designed for Mercedes Benz E Class W212 E200 E230 E260 E300 S212 models manufactured between 2009 and 2012, equipped with the NTG 4.0 system. It is crucial to verify your vehicle's NTG system version before installation. This device is **not** compatible with C207 models or vehicles with NTG 4.5/4.7/5.0/5.1 systems.

Compatible Models & Year

For Mercedes Benz E-CLASS W212 S212 (2009-2012)

Note : This item link only fits for original radio with NTG4.0 system. Not fits for original radio with NTG4.5/4.7/5.0/5.1 system.



Figure 2: Visual guide for identifying NTG 4.0 system compatibility.

The NTG 4.0 system is identified by a 4-pin LVDS plug. Please ensure your original radio matches the NTG 4.0 configuration shown in Figure 2 to guarantee proper functionality.

Key Features

- **High-Definition Display:** Features a 10.25-inch 1920x720 LED display with a multi-point capacitive touch screen, offering a wide 178-degree viewing angle for an enhanced visual experience.
- **Wireless CarPlay & Android Auto:** Seamlessly integrate your smartphone with wireless (or wired) Apple CarPlay and Android Auto. Access navigation, phone contacts, email, notifications, and music via voice commands (Siri or Google Voice Assistant).

- **Dual System Integration:** Effortlessly switch between the new Linux system and your original car system with a single click. All original functions, including radio, amplifier, steering wheel controls, iDrive knob, vehicle data (speed, fuel, oil pressure, warnings), and original reverse camera, are retained.
- **Built-in DSP:** Equipped with a Digital Signal Processor (DSP) featuring 16 EQ segments. This allows for detailed audio tuning, preset EQ options, and adjustment of speaker positioning to optimize sound quality and create a personalized listening environment.
- **Mirrorlink:** Supports wireless mirrorlink for both iOS and Android phones, allowing you to display your phone's screen directly on the unit.



Figure 3: Wireless CarPlay and Android Auto functionality.



Figure 4: Built-in DSP for audio customization.



Figure 5: Seamless transition between original car system and the new Linux system.

Installation Guide

The Uckazy 10.25" Touch Display Screen is designed for plug-and-play installation. However, professional installation is recommended. Ensure the vehicle's power is off before beginning the installation process.

Package Contents:

- 10.25-inch Display Screen
- Plug and Play Power Cable
- Bracket Frame
- USB/AUX Cable
- Installation Tools

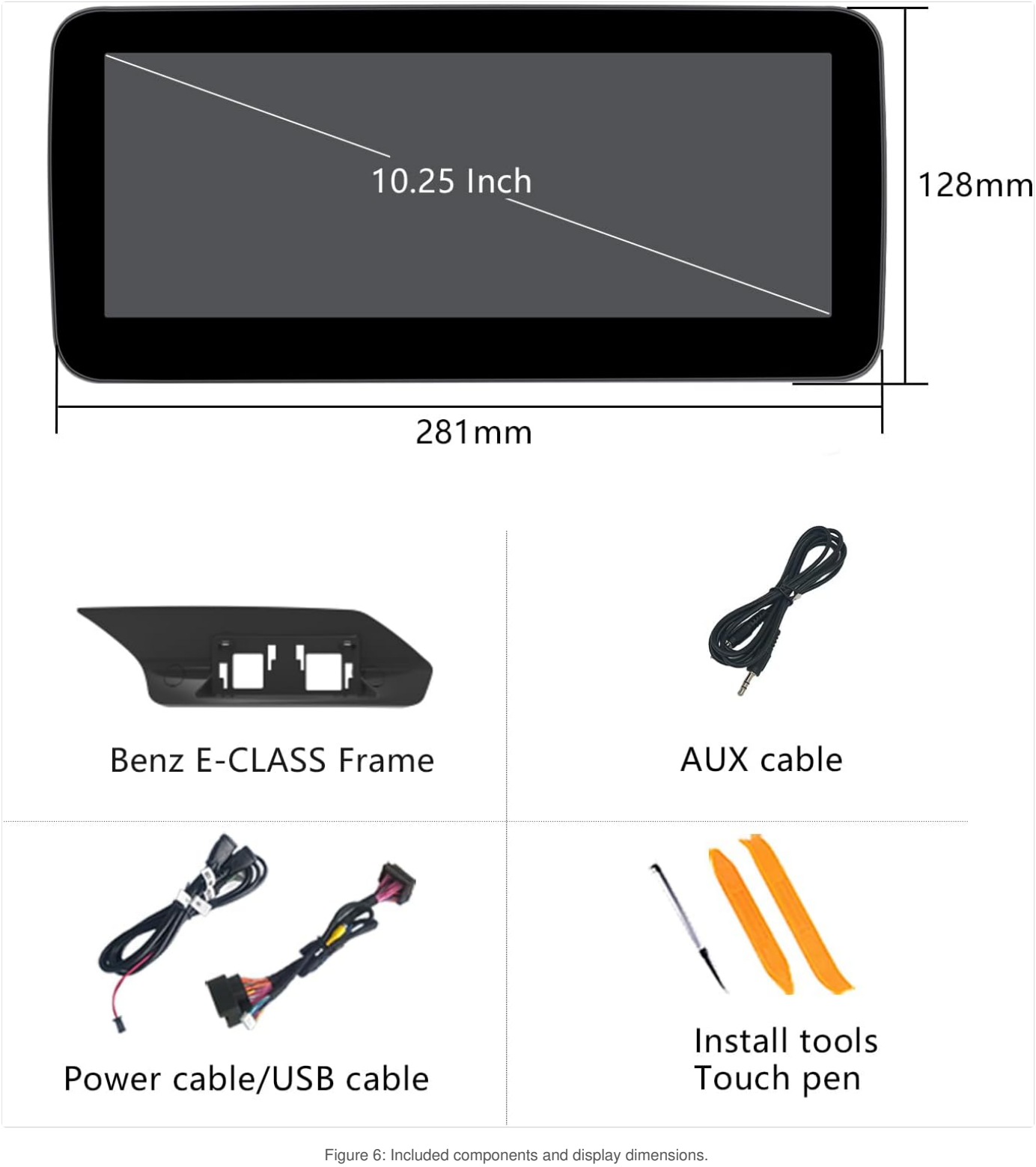


Figure 6: Included components and display dimensions.

Installation Steps:

1. **Preparation:** Disconnect the vehicle's battery. Carefully remove the original car display and radio unit according to your vehicle's service manual.
2. **Fiber Optic Cable Transfer:** If your original system uses fiber optic cables for audio, you will need to transfer them to the new power harness.

Your browser does not support the video tag.

Video 1: Guide on transferring fiber optic cables for audio connection.

   - Locate the fiber optic cable within the original wiring harness.
   - Carefully release the snap and pull out the fiber optic cable from the original connector.
   - Insert the fiber optic cable into the designated slot on the new power cable harness. Ensure it clicks securely into place.

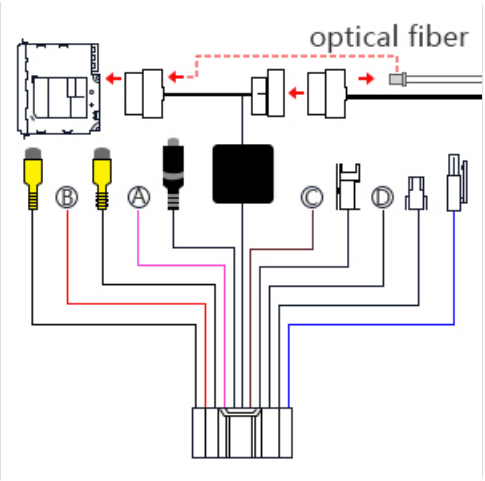


Figure 7: Optical fiber connection diagram.

3. **Connect Power Cable:** Connect the new plug-and-play power cable to the vehicle's original power harness. Ensure all connections are secure and correctly aligned.
4. **Connect USB/AUX Cables:** Connect the provided USB and AUX cables. The USB IN 1 port is required for wired CarPlay and Android Auto functionality.

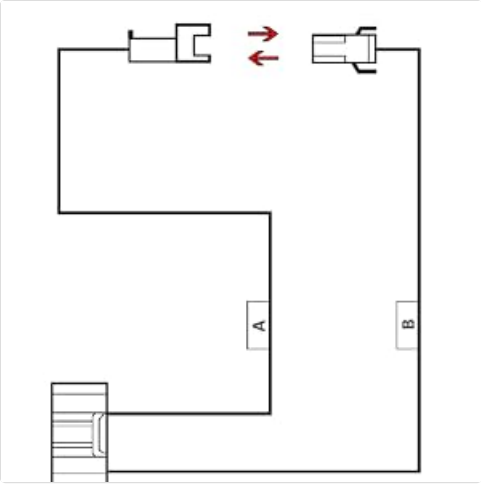


Figure 8: USB IN 1 port for wired smartphone integration.

5. **Mount the Display:** Secure the new 10.25-inch display screen using the provided bracket frame. Ensure it is firmly in place and does not obstruct any vehicle controls.
6. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test all functions of the new display, including touch response, audio, CarPlay/Android Auto, and original car system integration.
7. **Final Assembly:** Once all functions are verified, reassemble the dashboard components.



Figure 9: Visual comparison of the dashboard before and after installation.

Operation

Switching Between Systems:

The unit allows for a one-click switch between the new Linux system and the original car system. This ensures you can access all new features while retaining familiar controls and displays.

CarPlay and Android Auto:

- **Connection:** Connect your iPhone or Android phone wirelessly via Bluetooth and Wi-Fi, or via the USB IN 1 port for a wired connection.
- **Voice Control:** Use "Hey Siri" or "OK Google" to activate voice commands for navigation, calls, messages, and music playback.



Figure 10: Voice control functionality for hands-free operation.

- **Navigation:** Utilize map applications from your phone directly on the display.
- **Media Playback:** Stream music and podcasts from your phone.

DSP Audio Settings:

Access the built-in DSP settings to customize your audio experience. You can adjust the 16-band equalizer, select preset sound modes, and fine-tune speaker balance and fade to achieve optimal sound quality.



Figure 11: DSP equalizer for advanced audio tuning.

Retained OEM Functions:

The unit fully supports and integrates with your original car's features:

- Steering Wheel Controls
- OEM Reversing Camera and Parking Radar
- iDrive Control Knob
- Original Car Stereo Sound Output
- Original CD Player Functionality
- Display of Vehicle Information (speed, fuel level, oil pressure, safety warnings)



Figure 12: Overview of retained original car functions.

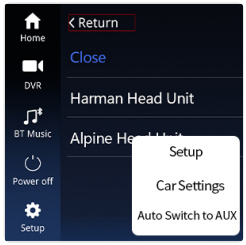
Maintenance

To ensure the longevity and optimal performance of your Uckazy display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Software Updates:** Periodically check the manufacturer's website for any available software or firmware updates to ensure the system operates with the latest features and bug fixes.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent functionality.

Troubleshooting

This section addresses common issues you might encounter. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
No sound from the unit.	Incorrect fiber optic cable connection or AUX setting.	◦ Ensure the fiber optic cable is correctly transferred and securely connected (refer to Installation Guide, Step 2). ◦ Verify that the AUX input is selected on your original car radio. The unit outputs audio through the car's AUX input. ◦ Check the "Auto Switch to AUX" setting in the unit's setup menu.  Figure 13: Auto Switch to AUX setting.
CarPlay/Android Auto not connecting wirelessly.	Bluetooth or Wi-Fi issues, incorrect pairing.	◦ Ensure Bluetooth is enabled on both the unit and your phone, and they are paired. ◦ Verify Wi-Fi is enabled on your phone. ◦ Try restarting both the unit and your phone. ◦ If wireless connection fails, try a wired connection using the USB IN 1 port.
Touch screen unresponsive or inaccurate.	Software glitch, physical damage, or calibration needed.	◦ Restart the unit. ◦ Ensure the screen is clean and free of debris. ◦ If available, perform a screen calibration from the system settings.
Original car functions not working.	Incorrect wiring or system integration issue.	◦ Double-check all wiring connections, especially the main power harness and LVDS cable. ◦ Ensure the unit is correctly configured to integrate with your specific NTG 4.0 system.

Specifications

Feature	Detail
Model Name	RM
Display Size	10.25 Inches
Resolution	1920 x 720
Operating System	Linux System (Dual system with original car OS)
Connectivity	Bluetooth, USB, Wi-Fi
Special Features	Built-in DSP (16 EQ segments), Wireless CarPlay, Wireless Android Auto, Mirrorlink, Retains OEM functions (Steering Wheel Control, Reversing Camera, iDrive, Original Radio/CD)

Feature	Detail
Product Dimensions	7.3 x 1.6 x 5.12 inches
Item Weight	4.2 pounds
Mounting Type	Dashboard Mount or Panel Mount
Included Components	10.25inch Display Screen, Plug and play power cable, Bracket frame, USB/AUX Cable, installation tools

Warranty and Support

The Uckazy 10.25" Touch Display Screen comes with a **1-year warranty** from the date of purchase.
For technical support, troubleshooting assistance, or warranty claims, please contact Uckazy customer service. When contacting support, please provide your product model (RM) and a detailed description of the issue.
Based on common issues, 85% of problems are due to incorrect wiring or settings. Please provide clear pictures or videos of the issue and your wiring setup to facilitate quicker resolution.
You can visit the official Uckazy Store on Amazon for more information and support resources.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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