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Uckazy F25NBT-LIN

Uckazy 8.9 Inch Car Stereo User Manual

Model: F25NBT-LIN

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Uckazy 8.9 Inch 1920*720 Car Stereo. This multimedia audio upgrade system is designed for specific BMW X3 F25 and X4 F26 models with the original NBT System, offering enhanced features like Apple CarPlay, Android Auto, and a high-resolution touch screen while retaining original vehicle functionalities.

Product Compatibility

This Uckazy Car Stereo is specifically designed for the following BMW models and years:

- BMW X3 F25 (2013-2016) with Original NBT System
- BMW X4 F26 (2014-2016) with Original NBT System

Important Note: This device is compatible only with vehicles equipped with the original NBT System. Please verify your car's system before installation. If you are unsure, consult a professional or contact Uckazy support.

Compatible Models & Year

For BMW X3 F25 2013-2017
For BMW X4 F26 2014-2017

Note : Before you purchase , please make sure your car system is NBT system firstly .If you can't make sure by yourself, you can get help from us.

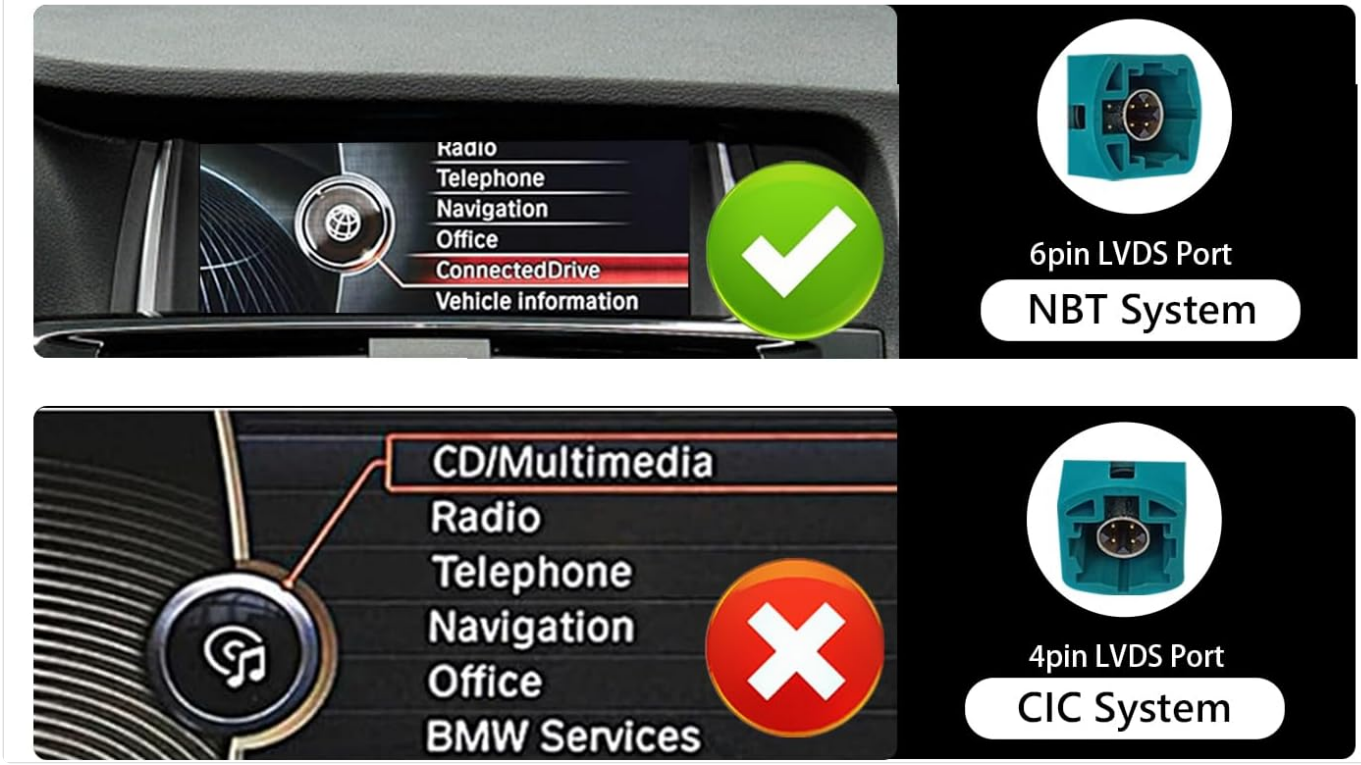


Figure 1: Visual guide for identifying NBT System compatibility based on LVDS port type.

Key Features

- **Dual System Integration:** Seamlessly switch between the new Linux system and your original car's system with a single click, retaining all factory functionalities.
- **Wireless Connectivity:** Supports wireless (and wired) Apple CarPlay, Android Auto, and Mirrorlink for iOS and Android devices, allowing access to navigation, contacts, music, and more.
- **High-Definition Display:** Features an 8.9-inch 1920x720 LED display with a multi-point capacitive touch screen, offering a wide viewing angle and clear visuals.
- **Built-in DSP:** Equipped with a Digital Signal Processor (DSP) with 16 EQ segments for advanced audio tuning and enhanced sound quality.
- **OEM System Retention:** Maintains original car radio, amplifier function, steering wheel controls, iDrive controller, display of vehicle data (speed, fuel, oil pressure), safety warnings, and original reverse camera functionality.
- **Plug and Play Installation:** Designed for straightforward installation without requiring complex software changes to the vehicle's control unit.
- **Automatic Day/Night Mode:** Adjusts screen brightness automatically based on your car's original headlights for optimal visibility.

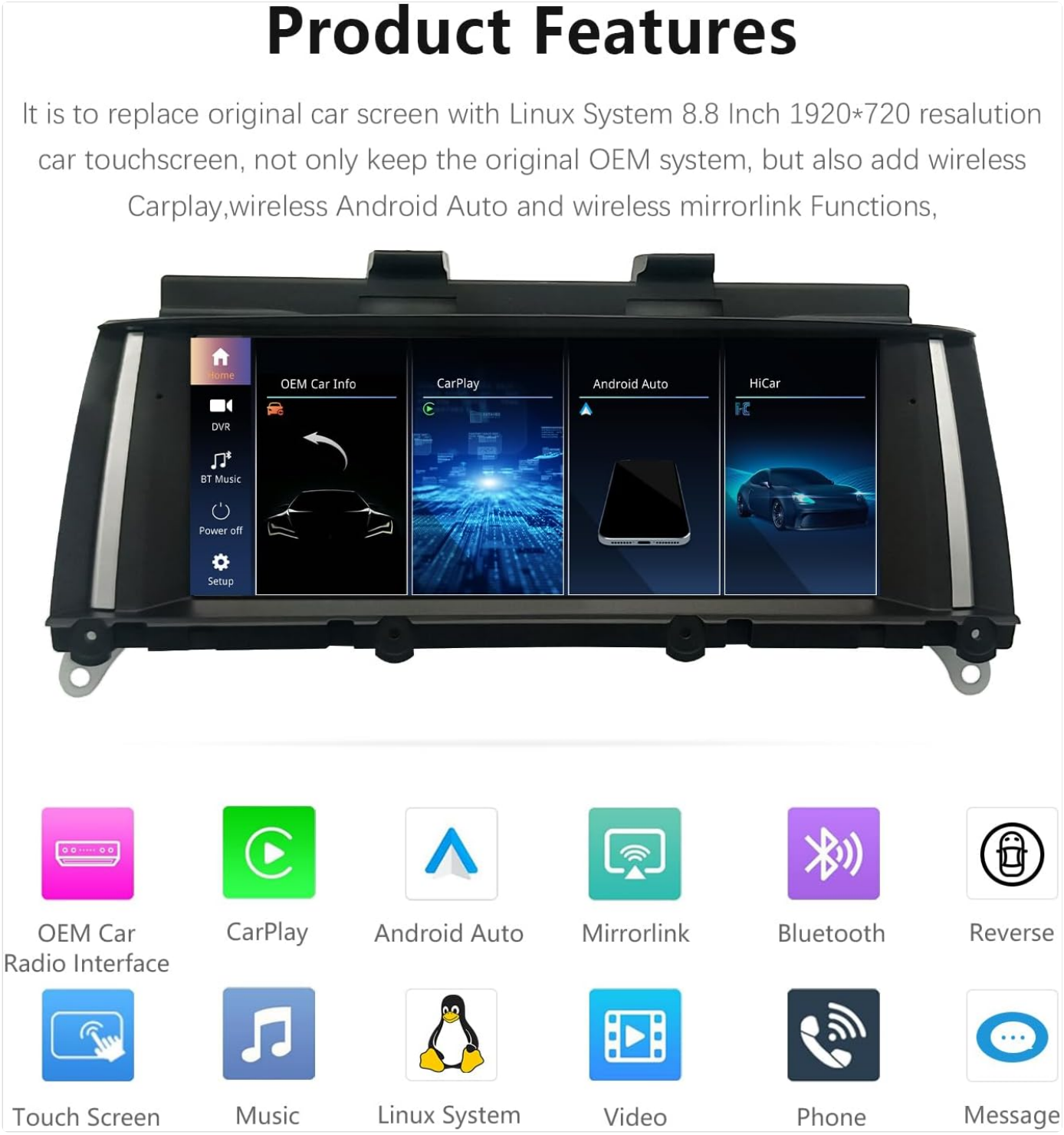


Figure 2: Overview of the product's main features and supported functionalities.

Setup and Installation

The Uckazy Car Stereo is designed for a plug-and-play installation. However, professional installation is recommended if you are not familiar with car electronics. No software changes are required for your vehicle's control unit.

Package Contents:

- 8.9-inch touch screen
- Plug and play power cable
- AUX/USB/RCA cable
- Installation tools and touch pen

Installation Steps:

1. **Preparation:** Ensure your vehicle is turned off and the battery is disconnected before beginning installation. Gather all provided tools.
2. **Remove Original Screen:** Carefully remove the original car screen and associated trim panels. Refer to online resources or a professional guide for specific instructions for your BMW X3 F25 or X4 F26 model.
3. **Connect Power and Data Cables:** Connect the provided plug-and-play power cable to the new unit and the vehicle's harness. Ensure all connections are secure.
4. **Fiber Optic Cable Transfer:** If your original system uses a fiber optic cable, you will need to transfer it from the original harness to the new harness provided with the Uckazy unit. This is crucial for proper audio and system integration.

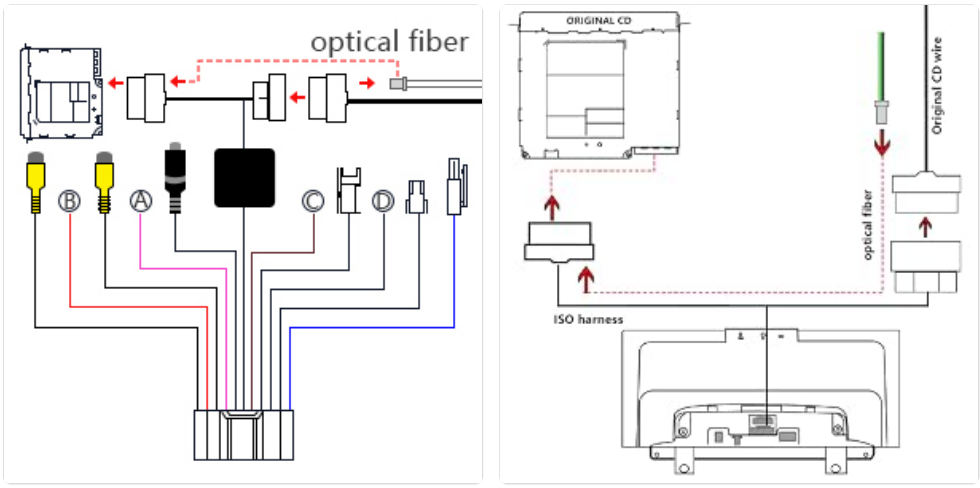


Figure 3: Fiber optic cable transfer and ISO harness connection diagrams.

5. **AUX Cable Connection for Audio:** To ensure audio output, the AUX cable from the new head unit must be connected to your car's AUX input, typically located in the armrest or glove box. You may need to route this cable discreetly.

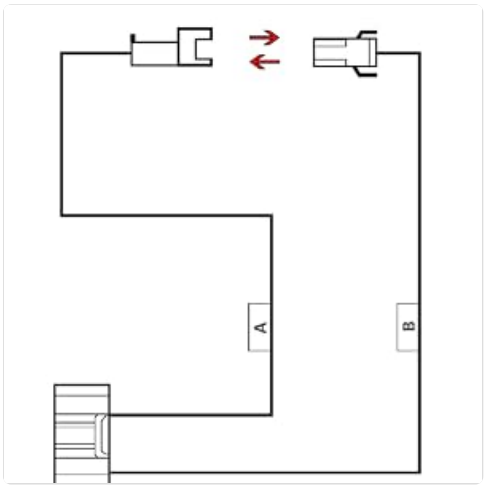


Figure 4: AUX cable connection for audio output.

6. **USB Connection:** Ensure the USB cable is connected to the designated "USB IN 1" port for optimal functionality.

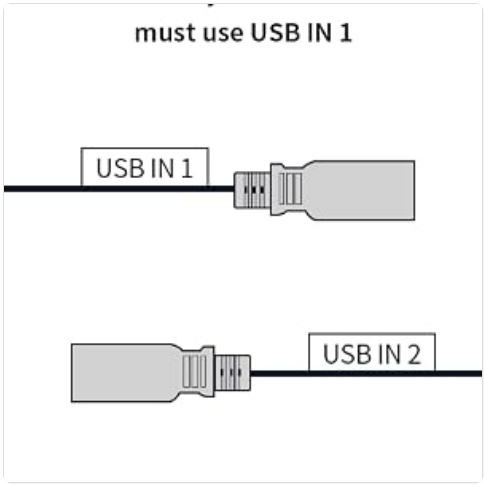


Figure 5: Correct USB port connection.

7. **Secure the Unit:** Mount the new screen securely in place.
8. **Reconnect Battery:** Once all connections are verified, reconnect the vehicle's battery.
9. **Initial Power On and Testing:** Turn on the ignition and test all functions, including touch screen response, audio, steering wheel controls, and system switching.



Figure 6: Visual comparison of the dashboard before and after the screen upgrade.

Operating Instructions

System Switching:

To switch between the new Linux system and your original BMW iDrive system, simply press and hold the MENU button on your iDrive controller. The screen will seamlessly transition between the two interfaces.



Figure 7: Original iDrive interface (left) and new CarPlay interface (right).

Apple CarPlay & Android Auto:

The unit supports both wireless and wired Apple CarPlay and Android Auto. Once connected, you can access navigation, phone calls, messages, and music directly from the screen. Voice assistants like Siri and Google Voice Assistant are fully supported for hands-free operation.

- **Wireless Connection:** Ensure Bluetooth and Wi-Fi are enabled on your smartphone. Pair your phone with the Uckazy unit via Bluetooth, then follow the on-screen prompts to establish the wireless CarPlay/Android Auto connection.
- **Wired Connection:** Connect your smartphone to the unit using a USB cable.



Figure 8: Wireless CarPlay and Android Auto functionality.

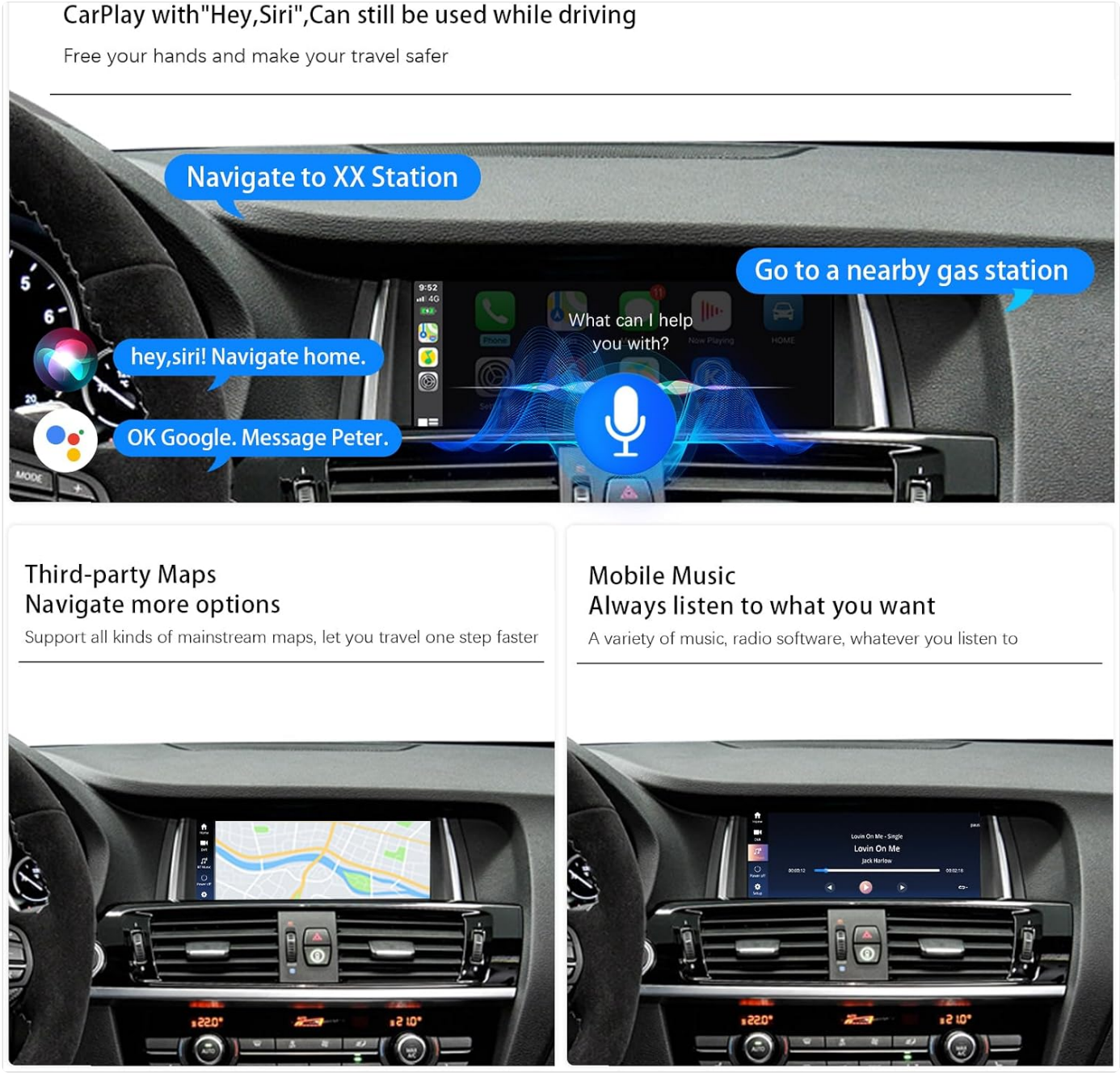


Figure 9: Voice assistant integration and multimedia features.

Built-in DSP (Digital Sound Processor):

Utilize the built-in DSP with 16 EQ segments to fine-tune your audio experience. Access the DSP settings through the system menu to adjust equalization, balance, and other sound parameters to your preference.



Figure 10: DSP equalizer interface for audio customization.

Day and Night Mode:

The system automatically adjusts screen brightness and display mode based on your vehicle's headlights. This ensures optimal visibility during both day and night driving conditions.



Figure 11: Automatic Day and Night Mode adjustment.

Retained OEM Functions:

The Uckazy Car Stereo is designed to integrate seamlessly with your BMW's existing systems, preserving key original functionalities:

- **Steering Wheel Controls:** Continue to use your steering wheel buttons for audio control and call management.
- **iDrive Controller:** The original iDrive knob and buttons remain fully functional for navigating both the new Linux system and the OEM interface.
- **Original Reverse Camera:** If your vehicle has a factory reverse camera, it will continue to display on the new screen.
- **Original Car Stereo Sound:** Audio from the original car radio and other OEM sources will play through the vehicle's speakers.
- **Original CD Player:** Your car's original CD player remains functional.



Figure 12: Integration with original BMW vehicle systems.

Maintenance

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

- **Screen Cleaning:** Use a soft, lint-free cloth specifically designed for electronic screens. Lightly dampen the cloth with water or a screen-safe cleaner if necessary. Avoid abrasive materials or harsh chemicals.
- **Dust Removal:** Regularly wipe down the unit to prevent dust accumulation, which can affect performance and appearance.
- **Avoid Extreme Temperatures:** While designed for automotive use, prolonged exposure to extreme hot or cold temperatures can affect electronic components.
- **Software Updates:** Check the Uckazy official website or contact support for any available software updates to ensure the system runs efficiently and securely.

Troubleshooting

If you encounter issues with your Uckazy Car Stereo, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound or Poor Audio Quality	◦ AUX cable not connected or improperly connected. ◦ Incorrect audio input selected on OEM system. ◦ Bluetooth not paired or connected for audio. ◦ Fiber optic cable not transferred correctly.	◦ Ensure the AUX cable from the unit is securely plugged into your car's AUX input. ◦ On your original BMW system, select the AUX multimedia input. ◦ Verify Bluetooth connection for both phone and unit. ◦ Check that the fiber optic cable was correctly transferred during installation.
Screen is Black or Flickering	◦ Loose power or video cable connection. ◦ Incorrect system selected. ◦ Unit malfunction.	◦ Check all cable connections behind the unit and to the vehicle. ◦ Try switching between the Linux system and the original car system by holding the iDrive MENU button. ◦ Perform a soft reset by disconnecting and reconnecting the car battery (after ensuring ignition is off).
CarPlay/Android Auto Not Connecting	◦ Bluetooth/Wi-Fi issues on phone or unit. ◦ Incorrect settings on the unit. ◦ Software incompatibility.	◦ Ensure Bluetooth and Wi-Fi are enabled on both your phone and the unit. ◦ Forget and re-pair the Bluetooth connection. ◦ Try a wired USB connection to rule out wireless issues. ◦ Verify unit settings for CarPlay/Android Auto activation.
Original Functions Not Working (e.g., iDrive, Steering Wheel Controls)	◦ Improper harness connection. ◦ Fiber optic cable issue.	◦ Double-check all harness connections to ensure they are fully seated. ◦ Re-verify the fiber optic cable transfer as per installation instructions.

If the problem persists after attempting these solutions, please contact Uckazy customer support for further assistance.

Specifications

Attribute	Detail
Product Dimensions	1.97 x 11.82 x 5.12 inches
Item Weight	3.7 pounds
Model Number	F25NBT-LIN
Display Size	8.9 inches
Resolution	1920 x 720

Attribute	Detail
Operating System	Linux System (Dual System with OEM)
Connectivity Technology	Bluetooth, Wi-Fi
Controller Type	Touch control, Google Assistant (via connected phone)
Special Features	DSP (16 EQ segments), Android Auto, Apple CarPlay, Mirrorlink
Compatible Devices	Smartphone
Connector Type	AUX/USB, 3.5mm Jack
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4
Video Encoding	H.264, H.265/HEVC

Warranty and Support

Uckazy products are designed for quality and reliability. For warranty information, technical support, or any inquiries regarding your 8.9 Inch Car Stereo, please refer to the seller's information on the purchase platform or visit the official Uckazy store.
Uckazy Store: https://www.amazon.com/stores/Uckazy/page/52C010E1-B9A7-4684-AFA6-04B4F6975C0F

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