Uckazy 15.8 Inch Android Auto Radio for BMW 5 7 Series NBT (8G+128G Qualcomm)

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Instruction Manual

Model: 15.8 Inch Android Auto Radio for BMW 5 7 Series NBT (8G+128G Qualcomm)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Uckazy 15.8 Inch Android Auto Radio. This device is designed to upgrade your BMW 5 or 7 Series (F10, F11, F01 NBT 2013-2016 models) with advanced Android 14 features, including wireless Apple CarPlay, Android Auto, and Mirrorlink, while retaining original vehicle functionalities.

2. Safety Information

- Read all instructions carefully before installation and use.
- Ensure the vehicle is turned off and the battery is disconnected before performing any wiring or installation.
- Professional installation is recommended to avoid damage to the vehicle or the device.
- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Keep the device away from water, moisture, and extreme temperatures.

3. Package Contents

Verify that all items are present in the package:

- 15.8-inch Android Auto Radio Unit
- Power Cable
- USB Cable
- 4G Antenna

- 4G SIM Card Slot
- GPS Antenna
- Touch Pen
- Installation Tools
- Mounting Brackets (various types for dashboard, windshield, air vent)
- Auxiliary Cable
- Cigarette Lighter Adapter

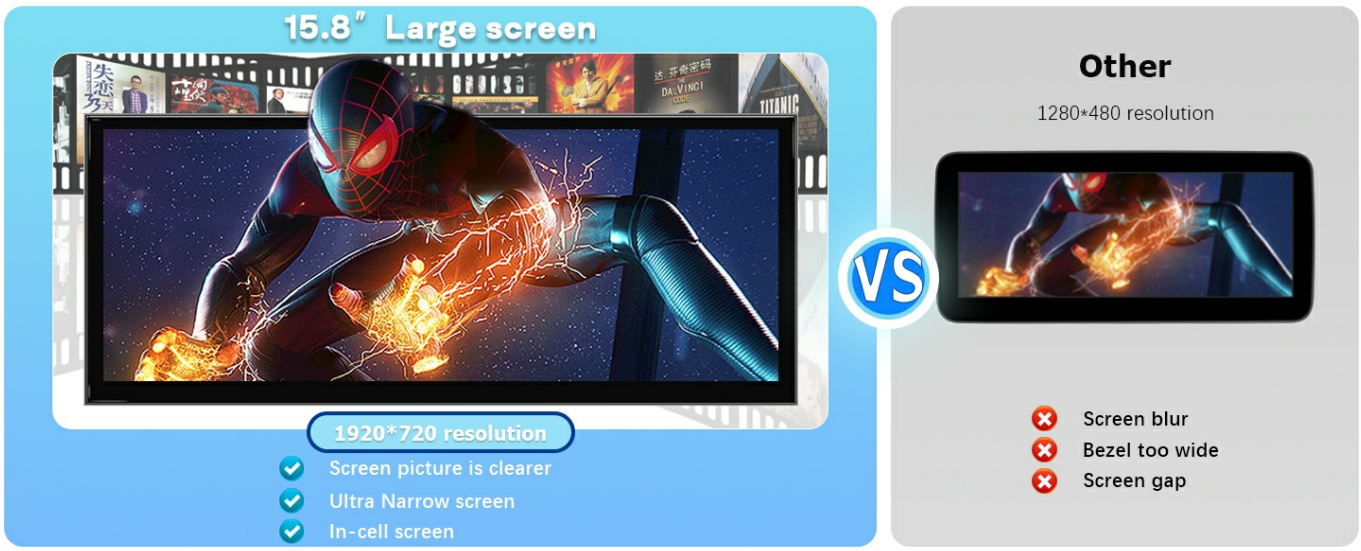


Image: Overview of the Uckazy 15.8 Inch Android Auto Radio package contents, including the main unit, cables, and mounting accessories.

4. Specifications

Feature	Specification
Screen Size	15.8 inches
Resolution	1920*720 (IN-CELL)
Operating System	Android 14
Processor	11 NM Qualcomm Snapdragon SM6125 Octa-core (4*Cortex A73 2.4GHz + 4*Cortex A53 1.9GHz)
GPU	Adreno 610
RAM	8GB
ROM	128GB
Connectivity	4G LTE Cat 7 (up to 300Mbps), Wi-Fi (2.4G & 5.0G), Bluetooth 5.0
GPS	Built-in (IGO North America offline map included)
DSP	Built-in with 16 EQ segments
Screen Material	Zinc Alloy (high strength, wear resistance, damping characteristics)
Control Method	Touch

5. Compatibility

This device is compatible with the following BMW models and original car systems:

- BMW 5 Series F10 (2013-2017) with NBT system
- BMW 7 Series F01 F02 (2013-2017) with NBT system

Important Note:
Before purchase or installation, please ensure your car system is an NBT system. If you are unsure, please contact the seller for assistance. The device retains all original functions of the NBT system.



Image: Visual guide for identifying NBT system compatibility by checking the LVDS port (6-pin for NBT, 4-pin for CIC) and the original car's menu interface.

6. Setup

6.1 Physical Installation

1. **Remove Original Car Stereo:** Carefully remove the trim panels and the original car stereo unit from your BMW dashboard. Refer to your vehicle's specific service manual for detailed instructions on panel removal.
2. **Mounting the Display:** Choose your preferred mounting method:
    - **Dashboard/Windshield:** Use the provided suction cup mount or adhesive base. Ensure the surface is clean and dry before applying.
    - **Air Vent:** Attach the air vent clip to the back of the display unit and secure it to a suitable air vent.
3. **Wiring Connections:**
    - **Power:** Connect the provided power cable to the unit and the cigarette lighter adapter.
    - **Auxiliary Audio:** If your car has an AUX IN connector (e.g., in the armrest compartment), connect the audio harness to it using the provided auxiliary cable. This is crucial for audio output from the Android system.
    - **USB:** Connect the USB cable to the unit. Use USB1 for data link (CarPlay/Android Auto) and USB2 for read storage link.
    - **GPS Antenna:** Connect the GPS antenna to the unit and position it for optimal signal reception.
    - **4G Antenna & SIM Slot:** Install the 4G antenna and insert your 4G SIM card into the designated slot for mobile data connectivity.
    - **Rearview Camera (Optional):** Follow the wiring diagram to properly connect the rearview camera. Ensure the camera is powered and the video input is connected to the unit.

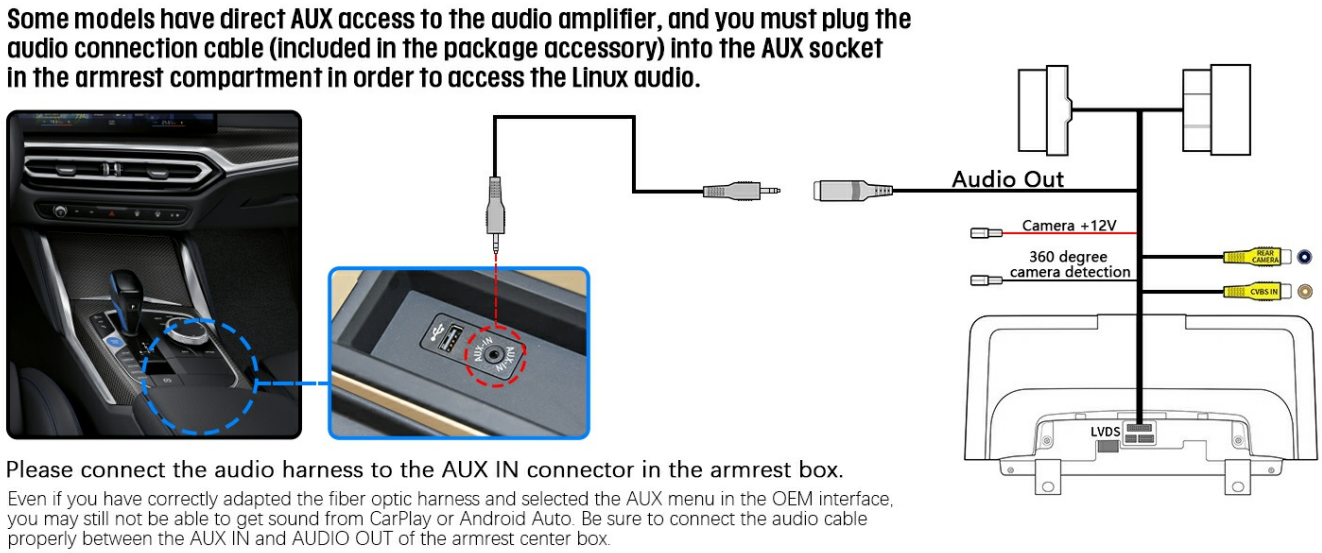


Image: Detailed wiring diagram for power, fiber optic, and camera connections.

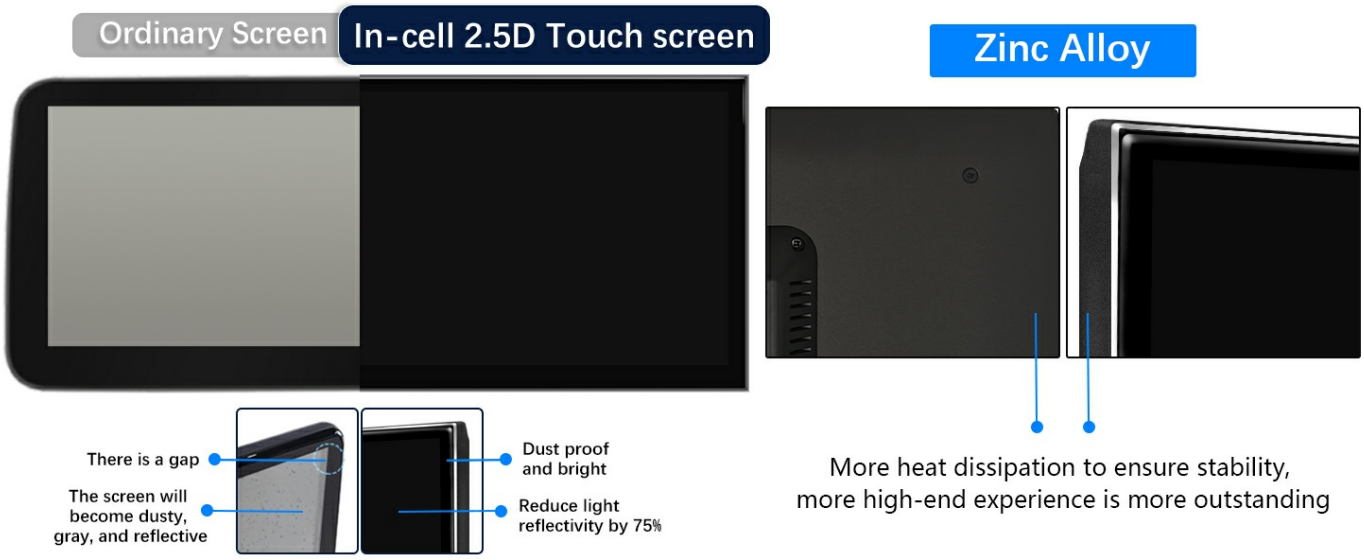


Image: Diagram showing how to connect the audio harness to the AUX IN connector in the armrest box.

6.2 Initial Power-On & Basic Settings

1. **Power On:** Start your vehicle. The unit should power on automatically.
2. **Language Selection:** Follow the on-screen prompts to select your preferred language (English).
3. **Time & Date:** Set the correct time and date.
4. **AUX Auto Switching:** Go to Settings > Car Settings > Auto Switch to AUX and turn off this setting if you experience sound issues.
5. **OEM Resolution & Camera Type:** In Settings > Car Settings, adjust the OEM screen resolution and select the correct camera type (Original or Aftermarket) for proper display.



Image: Screenshot of the settings menu for OEM resolution and camera type adjustment.

7. Operating Instructions

7.1 Dual System Switching

Easily switch between the Android 14 system and your original BMW NBT system with a single click. The upgraded capacitive touch screen retains all original functions while adding Android features.

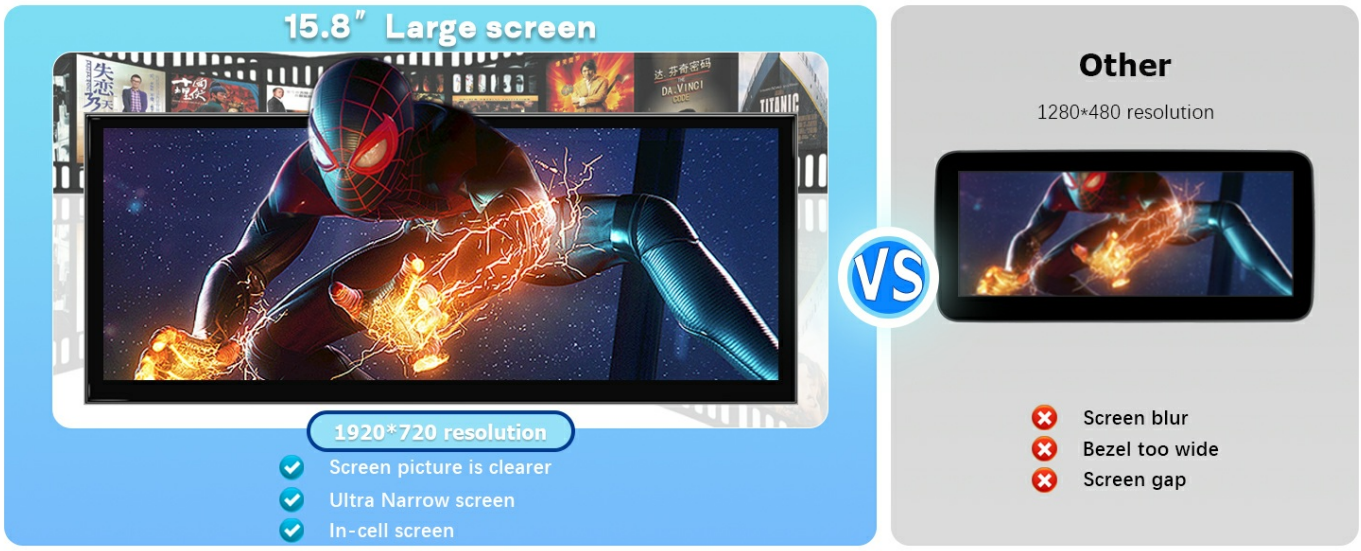


Image: Illustration showing one-click switching between the original car system and the Android system.

7.2 Wireless Connectivity (CarPlay, Android Auto, Mirrorlink)

The device supports wireless (and wired) Apple CarPlay, Android Auto, and wireless Mirrorlink for iOS and Android phones.

1. **Connect via Bluetooth:** First, turn on Bluetooth on your mobile phone and pair it with the device (e.g., "T86B-C8E4").
2. **Allow Permissions:** Grant necessary permissions for contacts and media sync.
3. **Activate CarPlay/Android Auto:** Once paired, the system will prompt you to use CarPlay or Android Auto. Select 'Use CarPlay' or 'Use Android Auto'.
4. **Mirrorlink:** For screen mirroring, connect your phone to the device's Wi-Fi hotspot (e.g., "EVELINK-CBE437" with password "12345678") and then use the Evelink app for screen mirroring.



Image: Step-by-step guide for connecting Wireless Apple CarPlay via Bluetooth.

7.3 Audio Output

You can output audio from the device through various methods:

- **Bluetooth:** Connect the device to your car's original Bluetooth system.
- **Auxiliary Input:** If connected via the auxiliary cable, ensure your car's audio system is set to AUX mode.
- **FM Transmitter:** The device can transmit audio to your car's FM radio. Tune your car radio to the specified FM frequency on the device.



Image: Instructions for automatic and manual AUX setting methods to activate Carplay sound.

7.4 Navigation & Multimedia

- **GPS:** Utilize the built-in GPS with pre-installed offline maps or download other navigation apps like Google Maps from the app store.
- **Voice Assistant:** Access map navigation and other features via voice commands (Siri or Google Voice Assistant).
- **Media Playback:** Enjoy high-quality lossless music playback and video content.

7.5 Camera Functions

- **Front Dashcam:** The device includes a front-facing camera for recording driving footage.
- **Rearview Camera:** If connected, the rearview camera display will automatically activate when reversing.



Image: Wiring diagram for connecting the rearview camera and setting the correct camera format.

7.6 Screen Features

- **Full Lamination Technology:** Provides a clearer, more transparent display with reduced reflection.
- **PIP (Picture-in-Picture) & Multi-task Display:** Allows for simultaneous viewing of multiple applications.
- **Day and Night Mode:** Automatic light sensitivity adjusts the display mode according to your car's original headlights.

8. Troubleshooting

- **Installation Issues:** If you encounter problems with installation, sound, CarPlay, or the original car UI not displaying, double-check all wiring connections according to the diagrams.
- **Sound Distortion (Noise):** If the sound from CarPlay or Android Auto is distorted, ensure the auxiliary cable is properly connected and the AUX auto switching setting is correctly configured.
- **Firmware/MCU Updates:** For firmware or MCU updates, please contact Uckazy customer support.

If issues persist, please contact Uckazy customer support for technical assistance.



Image: Information on contacting technical support for installation and operational issues.

9. Warranty & Support

This product is eligible for a 30-day refund/replacement policy. For any technical support or warranty claims, please contact the seller, Uckzay Factory Outlet, directly through the Amazon platform.