JOYING JY-UTD80N4-B

Joying JY-UTD80N4-B Android 13 Double Din Car Stereo User Manual

Model: JY-UTD80N4-B

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Joying JY-UTD80N4-B Android 13 Double Din Car Stereo. This unit integrates advanced features such as Android 13 operating system, Apple CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, and a high-resolution 8-inch display. Please read this manual thoroughly before using the product to ensure proper function and safety.

Image 1.1: Front view of the Joying JY-UTD80N4-B Android 13 Double Din Car Stereo.

2. SETUP AND INSTALLATION

2.1. What's in the Box

Verify that all components are present before beginning installation:

- 8" radio (1 unit)
- Double Din Cage (1 unit)
- Left & Right Bracket (1 set)
- Reinforced Shims (1 set)
- Plastic Trim Out (1 unit)
- Installation Manual (1 unit)
- WiFi Antenna (1 unit)
- GPS Antenna (1 unit)
- 4G Antenna (2 units)
- External Mic (1 unit)
- USB Cable (2 units)
- AR Cable (1 unit)
- Screen Ribbon Cable (1 unit)
- ISO Cable (1 unit)
- User Manual (1 unit)

Double Din Cage	Left & Right Bracket	Reinforced Shims
Plastic Trim Out	Installation Manual	WiFi Antenna *1
GPS Antenna *1	4G Antenna *2	External Mic*1	USB Cable *2
AR Cable*1	Screen Ribbon Cable*1	ISO Cable *1	User Manual

Image 2.1: All included components for the Joying JY-UTD80N4-B car stereo.

2.2. General Installation Notes

Installation may require an installation frame kit with an inner size of 178 x 102mm, a special ISO harness, an amplifier adapter, or a CANbus decoder, depending on your vehicle's specific requirements. This unit does not support factory car GPS antennas, backup rear cameras, Bluetooth, USB, or microphones. Only JOYING accessories are supported for DVR, OBDII scanner, reverse camera, TPMS, and steering wheel controllers, which are sold separately.

2.3. Installation Structure

The fixing position of the left and right brackets can be extended or telescoped to achieve the best fixing position according to your car's center console, adapting to a wider range of vehicles. If your car is a Hyundai or Kia brand, please contact support for a different bracket.

Image 2.2: Illustration of the upgraded and adjustable installation structure.

2.4. Rear Panel Connections

Familiarize yourself with the various ports and connections on the rear panel of the head unit for proper wiring.

Image 2.3: Rear panel connections and overall dimensions of the head unit.

3. OPERATING INSTRUCTIONS

3.1. Fast Boot Feature

Once the car key is inserted, the unit will start up and enter the user interface in approximately 2 seconds. The initial boot-up may take 30-40 seconds.

3.2. Built-in CarPlay & Android Auto

Connect your mobile phone to the car radio via a USB cable or Bluetooth to access phone applications on the larger screen. This allows for navigation, phone calls, and music playback.

Image 3.1: Display of Apple CarPlay and Android Auto interfaces.

3.3. GPS Navigation

The unit features precise GPS engines and includes a GPS antenna for accurate positioning and faster real-time navigation. Offline maps are supported in areas where data download is available, allowing for navigation without an internet connection. Mobile phone map data can also be synchronized via CarPlay or Android Auto.

3.4. Built-in 4G Module

Insert a SIM card into the unit for internet access. This feature supports FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71 and TDD-LTE: B41. Note that this module does not support making phone calls or sending SMS messages.

3.5. High-Quality Audio Features

The unit is equipped with a TDA7851 DSP chip, a 48-band graphic equalizer, and a maximum output power of 4x50W for enhanced sound quality. It supports aftermarket amplifiers with 4 audio outputs, 1 SUB output, Fiber Optical output, SPDIF Coaxial output, and a Center Channel output.

Image 3.2: Overview of high-quality sound features and aftermarket amplifier support.

3.6. Split-screen Multitasking

The unit supports split-screen functionality, allowing two applications to run simultaneously on the display. To use this feature, tap the recent apps icon, find the desired app, click the split-screen button, and then select a second app from the recent apps list.

Image 3.3: Step-by-step guide for using split-screen multitasking.

3.7. Steering Wheel Control

The unit supports steering wheel controls for easy switching of songs, radio channels, and volume adjustment, contributing to a safer driving experience. Vehicles with a CAN system may require an additional CANbus cable to enable this feature.

3.8. Personalized Settings

Customize your user experience with various settings, including changing the car boot logo, selecting from customizable wallpapers, and adjusting the button colors and screen brightness.

Image 3.5: Examples of personalized settings such as boot logo, wallpapers, and button colors.

3.9. Volume Knob

The unit features a physical volume knob for intuitive audio control. Rotate to adjust volume, and press to mute/unmute.
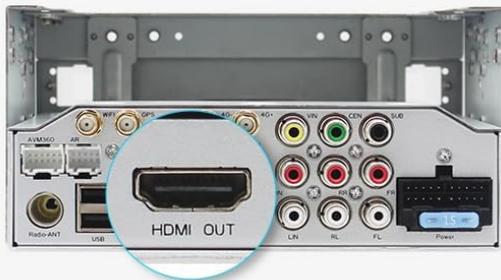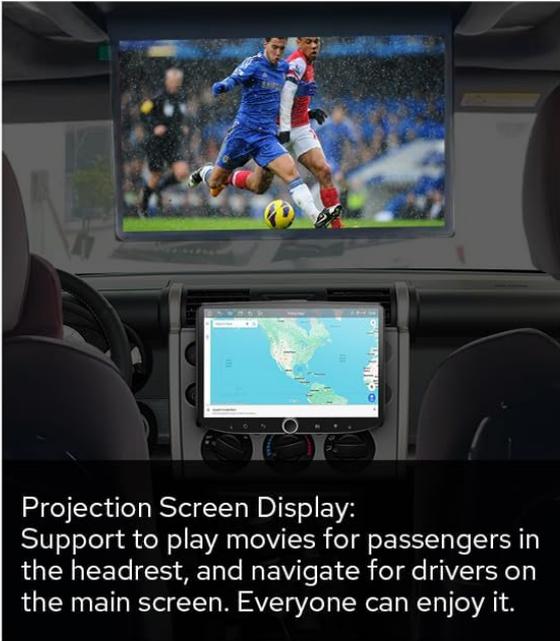
Image 3.6: Detailed view of the volume knob and its functions.

3.10. HDMI Output

The HDMI output provides a full digital image and sound-sending interface, capable of sending uncompressed audio and video signals. Audio and video can be output synchronously without manual adjustment. This allows for projection screen display for passengers or on-screen display with 1080P clarity and zero delay. The HDMI cable is not included.

HDMI Output

HDMI is a full digital image and sound-sending interface that can send uncompressed audio and video signals, audio and video can be output synchronously, no need to adjust manually.

Projection Screen Display:
Support to play movies for passengers in the headrest, and navigate for drivers on the main screen. Everyone can enjoy it.

On-screen Display:
Displays the same 1080P clear picture, zero delays without stuttering.

Note: The HDMI cable is not included.

Image 3.7: Demonstration of HDMI output for projection and on-screen displays.

3.11. Other Features

The unit includes additional features such as Picture-in-Picture mode, three USB ports, a Micro SD Card Slot, and a 4G SIM Card Slot.

Other Features

Fast Boot GPS Navigation AM/FM Radio Hands-free Call

Picture-in-Picture 3 USB ports Micro SD Card Slot 4G SIM Card Slot

Image 3.8: Icons representing various features of the car stereo.

4. Maintenance

4.1. Cooling System

The unit features a dual heat sink design for superior heat dissipation, improved temperature control, and enhanced performance stability. You can set a warning value for volume or CPU temperature. When the CPU temperature or radio's volume rises and exceeds the warning value, the fan will automatically activate for cooling to prevent overheating.
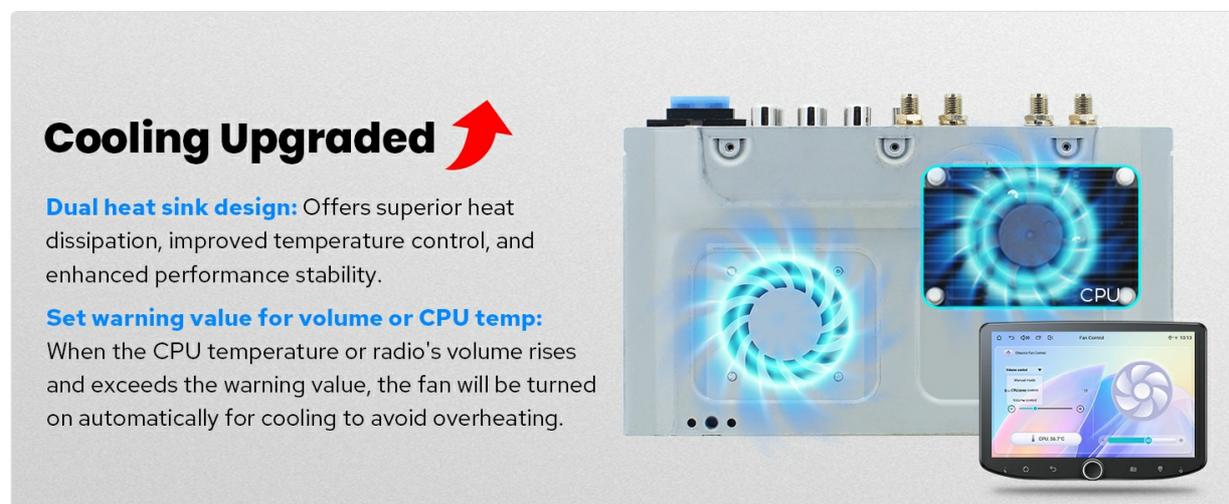

Image 4.1: Illustration of the upgraded dual heat sink cooling system.

4.2. General Care

To maintain the unit's performance and appearance, regularly clean the screen with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Ensure all connections are secure and free from debris.

5. Troubleshooting

If you encounter issues with your Joying car stereo, consider the following general troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the car's ignition is on.
- **No Sound:** Verify speaker connections, volume levels, and audio output settings. Check if the unit is muted.
- **GPS Signal Issues:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Connectivity Problems:** Ensure Bluetooth is enabled on both the stereo and your device. Try unpairing and re-pairing the devices.
- **Touchscreen Unresponsive:** Perform a soft reset by pressing the reset button (if available) or turning off the car's ignition and restarting.

For persistent issues or complex problems, refer to the detailed troubleshooting section in the included Installation Manual or contact Joying customer support.

6. Specifications

Feature	Detail

Model Number	JY-UTD80N4-B
Operating System	Android 13
Display Size	8 Inches
Display Resolution	1280 x 800P
Memory (RAM)	4GB
Storage (ROM)	64GB
Connectivity	Bluetooth, Ethernet, HDMI, USB, Wi-Fi, 4G Module
Special Features	Android Auto, Apple CarPlay, Built-In Bluetooth, Built-In Wi-Fi, Equalizer, Fast Boot, GPS Navigation, AM/FM Radio, Hands-free Call, Picture-in-Picture
Audio Output Mode	Stereo, Optical Fiber, Coaxial Digital
Mounting Type	Dashboard Mount (Double Din)
Item Weight	2.65 pounds
Package Dimensions	12.2 x 7.87 x 5.91 inches

6.1. WiFi Signal

The unit features an independent WiFi antenna to ensure stable signal quality and provide fast, smooth internet access. It supports 802.11a/b/g/n/AC standards and operates on 2.4GHz/5GHz spectral bands.

Image 6.1: Details of the upgraded WiFi signal and antenna.

7. Optional Accessories

The following accessories are not included in the package but can be ordered separately to enhance your experience:

- **OBD2 Scanner:** Connects via Bluetooth to retrieve real-time data and trouble codes from your vehicle computer.
- **AR Front Camera:** Records the front road automatically while driving.
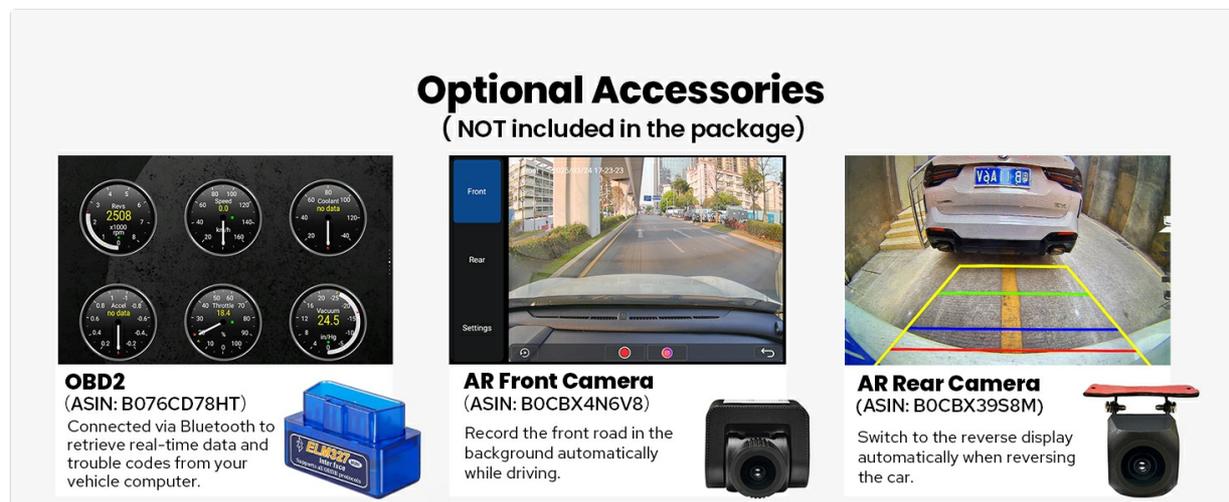- **AR Rear Camera:** Switches to the reverse display automatically when reversing the car.

Image 7.1: Optional accessories including OBD2, AR Front Camera, and AR Rear Camera.

8. Warranty

The Joying JY-UTD80N4-B Android 13 Double Din Car Stereo comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9. Support

For further assistance, technical support, or warranty inquiries, please contact Joying customer service. Refer to the contact information provided in your product packaging or visit the official Joying website for support resources.