

## JOYING JY-UTD80N4

# JOYING 8 Inch Double Din Car Stereo Android 13 Radio (JY-UTD80N4) User Manual

Model: JY-UTD80N4

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your JOYING 8 Inch Double Din Car Stereo Android 13 Radio, model JY-UTD80N4. Please read this manual thoroughly before using the product to ensure proper function and safety.

## SETUP GUIDE

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### Package Contents

Verify that all items listed below are included in your package:

- 8" Radio x 1
- Double Din Cage x 1
- Left & Right Bracket x 1
- Reinforced Shims x 1
- Installation Manual x 1
- WiFi Antenna x 1
- GPS Antenna x 1
- 4G Antenna x 2
- External Mic x 1
- USB Cable x 2
- AR Cable x 1
- Screen Ribbon Cable x 1
- ISO Cable x 1
- User Manual x 1



**Figure 1:** Included accessories and cables.

## Physical Installation

Installation may require an installation frame kit (178 x 102mm), special ISO harness, amplifier adapter, or CANbus decoder depending on your vehicle. Factory car GPS antenna, backup camera, Bluetooth, USB, and microphone are not supported. Only JOYING accessories are compatible.



**Figure 2:** Product dimensions and rear panel connections.

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



**Figure 3:** Adjustable installation structure for various vehicle types.

## Connectivity

The unit features Bluetooth, Wi-Fi, USB, and a built-in 4G module for internet access. Insert a SIM card into the 4G module for data connectivity (phone calls and SMS are not supported). Supported 4G LTE bands include FDD-LTE: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B38/B66/B71 and TDD-LTE: B41.

An independent WiFi antenna ensures stable signal quality for fast and smooth internet access, supporting 802.11 a/b/g/n/AC standards across 2.4GHz/5GHz spectral bands.



**Figure 4:** External WiFi antenna for enhanced signal.

## OPERATING INSTRUCTIONS

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### Initial Startup

After inserting the car key, the unit will start up and enter the user interface within 2 seconds. The very first boot-up may take approximately 30-40 seconds.

### User Interface

The 8-inch IPS screen provides a clear and responsive display. The system supports both Left-Hand Drive (LHD) and Right-Hand Drive (RHD) user interfaces.



**Figure 5:** Main User Interface with LHD and RHD options.

### CarPlay & Android Auto

Connect your mobile phone via USB cable or Bluetooth to utilize built-in CarPlay and Android Auto. This allows you to access your phone's navigation, make calls, and listen to music on the larger screen.



**Figure 6:** CarPlay and Android Auto integration.

## GPS Navigation

The unit includes precise GPS engines and an external GPS antenna for accurate and fast real-time navigation. Offline maps are supported; you can download map data for specific areas to the car stereo for use without an internet connection. Mobile phone map data can also be synchronized via CarPlay/Android Auto.

## Split-screen Multitasking

The split-screen feature allows you to run two applications simultaneously. Tap the recent apps icon, then select the split-screen function to choose two apps to display side-by-side.



Figure 7: Split-screen functionality for running multiple apps.

## Audio Features

The stereo features a TDA7851 DSP chip and a 48-band graphic equalizer for high-quality sound customization. It provides 4x50W maximum output power. For external amplifiers, the unit offers Optical Fiber and Coaxial Digital Outputs for ultimate sound quality, along with 4 audio outputs, 1 SUB output, and a Center Channel Output.



Figure 8: Advanced audio processing and output options.

## Steering Wheel Control (SWC)

The unit supports steering wheel controls, allowing you to easily switch songs, change radio channels, and adjust volume for a safer driving experience. **Note:** Vehicles with a CAN system may require an additional CANbus cable to enable this feature.



Figure 9: Steering Wheel Control integration.

## HDMI Output

The HDMI output provides a full digital image and sound signal, allowing for synchronized audio and video output to external displays. This supports projection screen displays for passengers (e.g., headrest monitors) and on-screen displays with 1080P clarity and zero delay. **Note:** The HDMI cable is not included.



Figure 10: HDMI output for external displays.

## Personalized Settings

Customize your stereo experience with various settings, including selecting a car boot logo, choosing from customizable wallpapers, and adjusting screen brightness to your preference.



Figure 11: Personalization options.

## Other Features

- **Fast Boot:** Quick startup time.
- **GPS Navigation:** Accurate and real-time positioning.

- **AM/FM Radio:** Reliable reception.
- **Hands-free Call:** Bluetooth connectivity for safe calling.
- **Picture-in-Picture:** Display multiple applications simultaneously.
- **3 USB Ports:** For various connectivity needs.
- **Micro SD Card Slot:** For expandable storage.
- **4G SIM Card Slot:** For internet access.



Figure 12: Overview of additional features.

## MAINTENANCE

### General Care

To maintain the performance and appearance of your car stereo, regularly clean the screen and exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Ensure all connections are secure and free from debris.

## TROUBLESHOOTING

### Overheating Prevention

The unit features a dual heat sink design for superior heat dissipation and improved temperature control. It includes a fan control system that automatically activates the cooling fan when the CPU temperature or radio's volume exceeds a set warning value, preventing overheating and ensuring performance stability.



Figure 13: Enhanced cooling system.

### Common Issues

- **No Power:** Check power connections and vehicle's fuse box.
- **No Sound:** Verify speaker connections, volume levels, and amplifier settings.
- **GPS Signal Loss:** Ensure GPS antenna is properly installed and has a clear view of the sky.
- **Bluetooth Pairing Issues:** Ensure Bluetooth is enabled on both devices and the stereo is in pairing mode.
- **Touchscreen Unresponsive:** Try restarting the unit. If issues persist, contact support.

## SPECIFICATIONS

Feature	Detail
Brand	JOYING
Model Number	JY-UTD80N4
Display Size	8 inches
Operating System	Android 13
Memory (RAM)	4GB

<b>Storage (ROM)</b>	64GB
<b>Connectivity</b>	Bluetooth, Ethernet, HDMI, USB, Wi-Fi, 4G Module
<b>Special Features</b>	Android Auto, Apple CarPlay, RCA, RDS, Spotify, GPS Navigation, Split-screen, Fast Boot
<b>Audio Output Mode</b>	Stereo, 5.1 Surround Sound Channel Configuration
<b>Max Output Power</b>	4 x 50W
<b>Video Encoding Support</b>	H264/H265/MP4/AVI/MKV/FLV
<b>Item Weight</b>	1200 Grams

## WARRANTY INFORMATION

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The JOYING JY-UTD80N4 car stereo comes with a **2-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official JOYING website or contact customer support.

## CUSTOMER SUPPORT

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For technical assistance, troubleshooting, or warranty inquiries, please visit the official JOYING website or contact their customer service department. You can often find FAQs, software updates, and additional support resources online.

**Online Resources:** [JOYING Official Store on Amazon](#)

## OPTIONAL ACCESSORIES

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Enhance your car stereo's functionality with these optional accessories (not included in the standard package):

### **OBD2 Scanner**

Connects via Bluetooth to retrieve real-time data and trouble codes from your vehicle's computer.  
(ASIN: B076CD78HT)

### **AR Front Camera**

Records the front road in the background automatically while driving. (ASIN: B0CBX4N6V8)

### **AR Rear Camera**

Switches to the reverse display automatically when reversing the car. (ASIN: B0CBX39S8M)



**Figure 14:** Optional accessories for enhanced functionality.